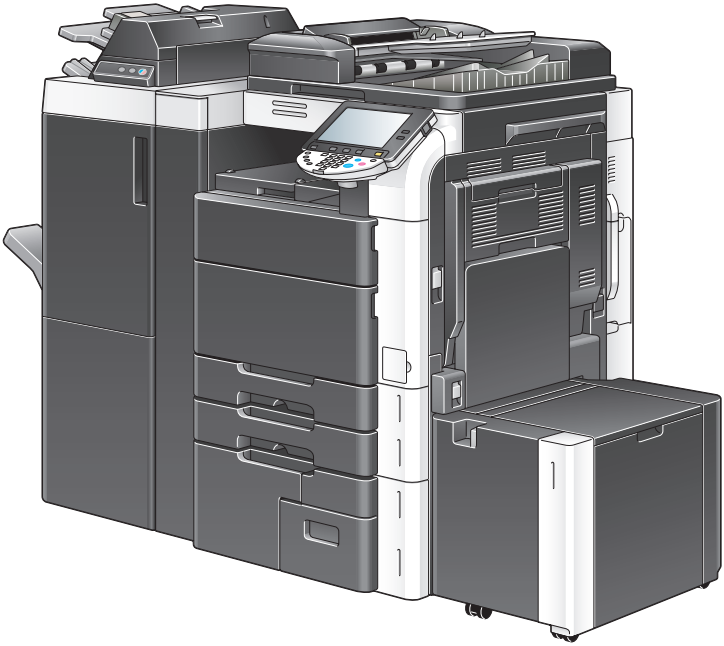
KONICA MINOLTA

The essentials of imaging

bizhub C550

User's Guide [Network Scanner Operations]



Introduction

Thank you for choosing this machine.

This User's Guide contains details on making network connections and on the operations required to use the scanning functions of the bizhub C550, precautions on its use, and basic troubleshooting procedures. In order to ensure that this machine is used correctly and efficiently, carefully read this User's Guide before using the machine.

In addition, for details on the operation of PageScope Web Connection, which can be used to operate this machine over a network, refer to the User's Guide [PageScope Web Connection Operations].

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Kerberos

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Mersenne Twister

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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About this manual

This User's Guide covers the bizhub C550 network and scanning functions.

This section introduces the structure of the manual and notations used for product names, etc.

This manual is intended for users who understand the basic operations of computers and the machine. For operating procedures of the Windows or Macintosh operating system and application programs, refer to the respective manuals.

Structure of the manual

This manual consists of the following chapters.

Chapter 1 Before using scanning functions

Chapter 2 Scanning

Chapter 3 Specifying Utility mode parameters

Chapter 4 Network Settings

Chapter 5 Scan function troubleshooting

Chapter 6 Appendix

Chapter 7 Index

Lists the product specifications and the characters that can be entered from the control panel.

Notation

Product name	Notation in the manual
bizhub C550	This machine, C550
Microsoft Windows NT 4.0	Windows NT 4.0
Microsoft Windows 2000	Windows 2000
Microsoft Windows XP	Windows XP
Microsoft Windows Vista	Windows Vista
When the operating systems above are written together	Windows NT 4.0/2000/XP/Vista

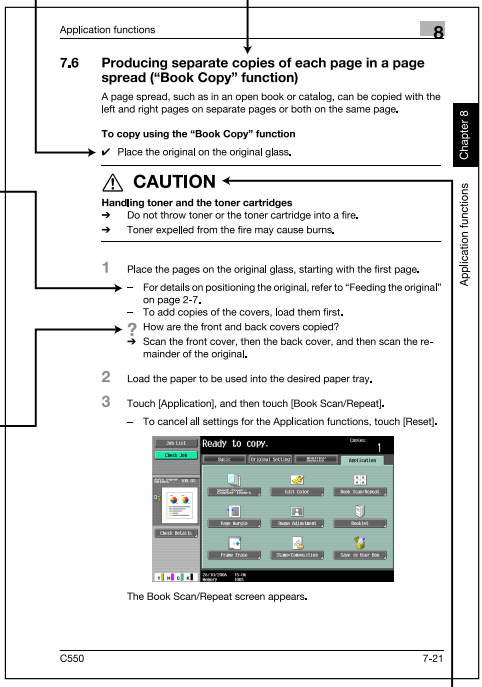
Explanation of manual conventions

Titles indicate the contents of the section.

Text that appears in this manner describes the function limitations and options required to use certain functions.

Text that appears in this manner describes supplemental information, such as precautions, references and actions, relating to steps.

Text that appears in this manner provides answers to problems and questions that may occur during operation.



Application functions 8

7.6 Producing separate copies of each page in a page spread ("Book Copy" function)

A page spread, such as in an open book or catalog, can be copied with the left and right pages on separate pages or both on the same page.

To copy using the "Book Copy" function

✔ Place the original on the original glass.

⚠ CAUTION

Handling toner and the toner cartridges

→ Do not throw toner or the toner cartridge into a fire.

→ Toner expelled from the fire may cause burns.

1 Place the pages on the original glass, starting with the first page.

– For details on positioning the original, refer to "Feeding the original" on page 2-7.

– To add copies of the covers, load them first.

? How are the front and back covers copied?

→ Scan the front cover, then the back cover, and then scan the remainder of the original.

2 Load the paper to be used into the desired paper tray.

3 Touch [Application], and then touch [Book Scan/Repeat].

– To cancel all settings for the Application functions, touch [Reset].

The Book Scan/Repeat screen appears.

C550 7-21

Chapter 8

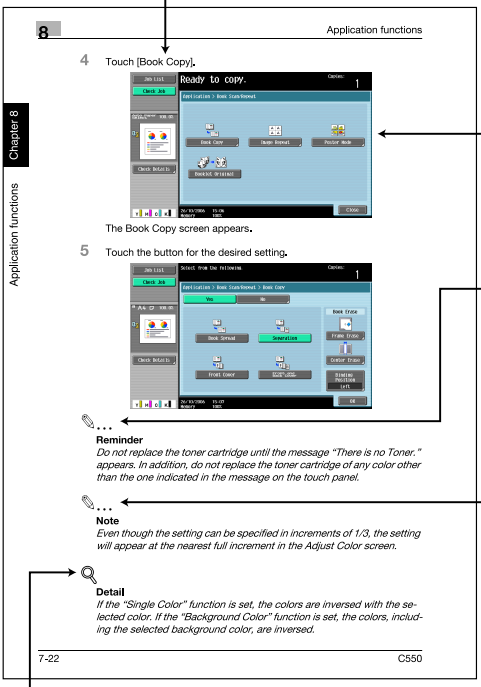
Application functions

⚠ WARNING , CAUTION

Text highlighted in this manner indicates precautions to ensure safe use of this machine. "Warning" indicates instructions that, when not observed, may result in fatal or critical injuries. "Caution" indicates instructions that, when not observed, may result in serious injuries or property damage.

(The page shown above is an example only.)

[ ]
Names highlighted as shown above indicate keys on the control panel, buttons in the touch panel, and the power switches.


8
Application functions
4 Touch [Book Copy].
Ready to copy.
The Book Copy screen appears.
5 Touch the button for the desired setting.
Reminder
Do not replace the toner cartridge until the message "There is no Toner." appears. In addition, do not replace the toner cartridge of any color other than the one indicated in the message on the touch panel.
Note
Even though the setting can be specified in increments of 1/3, the setting will appear at the nearest full increment in the Adjust Color screen.
Detail
If the "Single Color" function is set, the colors are inversed with the selected color. If the "Background Color" function is set, the colors, including the selected background color, are inversed.
7-22
C550
Chapter 8
Application functions

Touch panel screens are shown to check the actual display.

Reminder
Text highlighted in this manner indicates operation precautions. Carefully read and observe this type of information.

Detail
Text highlighted in this manner provides more detailed information concerning operating procedures or references to sections containing additional information. If necessary, refer to the indicated sections.

Note
Text highlighted in this manner contains references and supplemental information concerning operating procedures and other descriptions. We recommend that this information be read carefully.

(The page shown above is an example only.)

User's guides

This machine is provided with printed manuals and PDF manuals on the User's Guide CD.

Printed manuals

Quick Guide [Copy/Print/Fax/Scan/Box Operations]

This manual contains operating procedures and descriptions of the most frequently used functions, allowing the machine to immediately be used.

In addition, this manual contains notes and precautions that should be followed for safe use of the machine.

Be sure to read this manual before using the machine.

User's Guide [Enlarge Display Operations]

This manual contains details on operating procedures in Enlarge Display mode.

Refer to this manual for details on using copy, network scanner and fax functions in Enlarge Display mode.

User's Guide CD manuals

User's Guide [Copy Operations]

This manual contains descriptions of the Copy mode operations and machine maintenance. Refer to this manual for details on the paper and documents, copy procedures using convenient Application functions, replacing consumables, and troubleshooting operations such as clearing paper misfeeds.

User's Guide [Print Operations]

This manual contains details of the printing functions that can be specified with the standard built-in printer controller. Refer to this manual for operating procedures on using the printing functions.

User's Guide [Box Operations]

This manual contains operating procedures for using the user boxes on the hard disk. Refer to this manual for details on saving data in user boxes, retrieving data from user boxes and transferring data.

User's Guide [Network Scanner Operations] (this manual)

This manual contains descriptions on specifying network settings for standard equipment and operating procedures for scanning functions. Refer to this User's Guide for details on using network functions and the Scan to E-Mail, Scan to FTP and Scan to SMB operations.

User's Guide [PageScope Web Connection Operations]

This manual contains descriptions on the machine settings that can be specified remotely with PageScope Web Connection from a Web browser on a computer. Refer to this manual for details on operating procedures for using PageScope Web Connection.

User's Guide [Fax Operations]

This manual contains descriptions of the G3 fax operations. Refer to this manual for details on using the G3 fax operations when the optional fax kit is installed.

In order to use the fax functions, the optional fax kit must be purchased separately.

User's Guide [Network Fax Operations]

This manual contains details on the network fax functions. Refer to this manual for operating procedures on Internet faxing and IP address faxing.

User's Guide [Fax Driver Operations]

This manual contains details of the fax driver functions that can be used to send a fax directly from a computer.

Refer to this manual for operating procedures on using the PC-FAX functions.

In order to use the fax functions, the optional fax kit must be purchased separately.

User's Guide [Advanced Function Operations]

This User's Guide describes overview and usage of functions that become available by registering the optional license kit and enabling its function, and functions that become available by connecting the MFP with applications.

In order to use the functions effectively, please read this User's Guide.

The following models support the advanced function.

bizhub C650/C550/C451/C353/C253/C203

1 Before using scanning functions

1 Before using scanning functions

1.1 Environment required for using scanning functions

The following conditions are required in order to use the network scanning features.

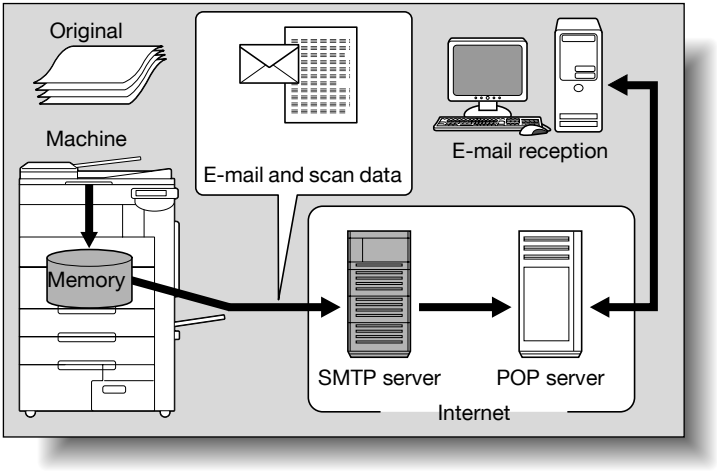
- The machine is connected to the network. (required)
  The machine can be used over a TCP/IP network. First, connect the cable for connecting to the network. For details, refer to “Network connection” on page 1-10. In order to use this machine on a network, settings such as the IP address of the machine must be specified. For details, refer to chapter 4, “Network Settings” on page 4-2.
- The driver software is installed on the computer.
  In order to use this machine as a scanner, the dedicated software KONICA MINOLTA TWAIN must be installed. For details, refer to the TWAIN driver manual on the User Software CD-ROM.

1.2 Available scanning functions

"Scanning" refers to the operation of reading the image of a document fed through the ADF or placed on the original glass. The Scan functions can be used to temporarily store the scan data on the internal memory of the machine and transmit the data over the network.

Scan to E-Mail

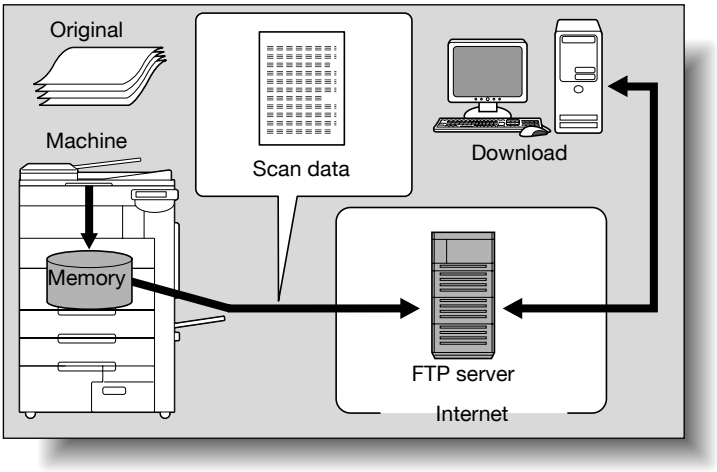
The scan data can be sent to the specified e-mail address. Destinations can be selected from the touch panel of this machine, and the scan data is sent as an e-mail attachment.



Scan to FTP

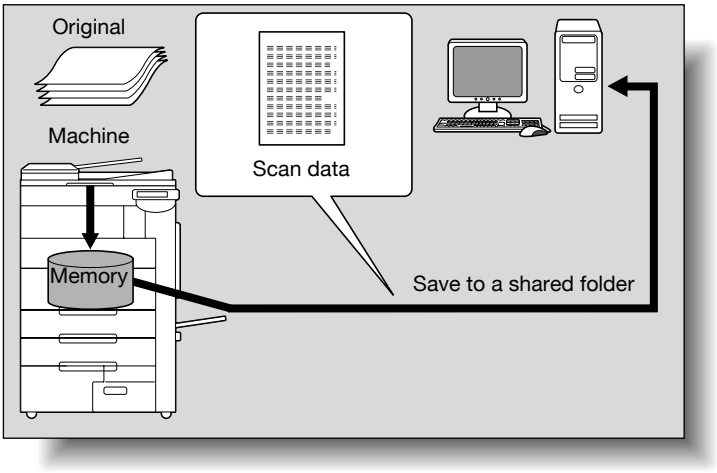
The scan data can be uploaded to the specified FTP server. The FTP server address, logon password and other information are entered from the touch panel of this machine.

The data uploaded to the FTP server can be downloaded from a computer on the network.



Scan to SMB

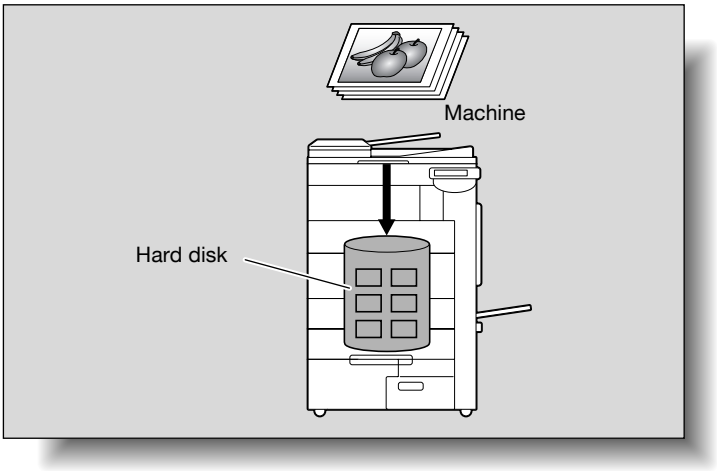
The scan data can be sent to a shared folder on a specified computer. The host name, file path and other information are entered from the touch panel of this machine.



Saving in user boxes

The scan data can be saved in a user box created on the hard disk of this machine, allowing the data to be reused. The file name can be entered from the touch panel of this machine when the data is saved.

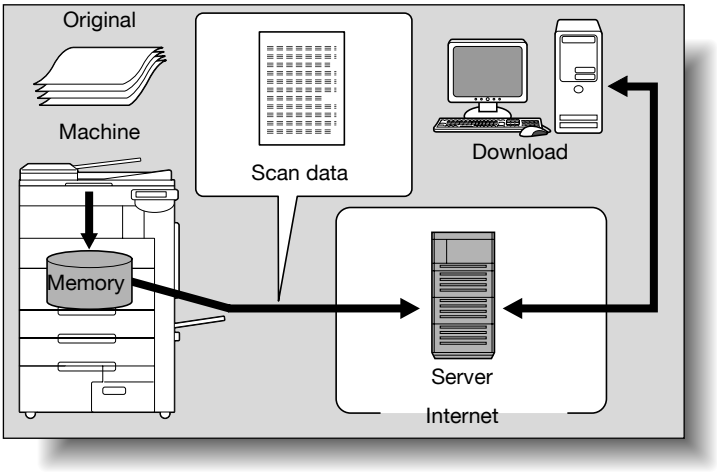
Other data such as received fax data can also be stored in user boxes. For details, refer to the User's Guide [Box Operations].



Scan to WebDAV

Scanned data can be uploaded to a specified server. Enter the server address, login password and other information from the touch panel of the machine.

The data uploaded to the server can be downloaded from a computer on the network.



Detail

Since HTTP extensions are used, WebDAV allows HTTP security technology to be used as it is. Files can be transmitted more safely when communications with the WebDAV server are encrypted with SSL.

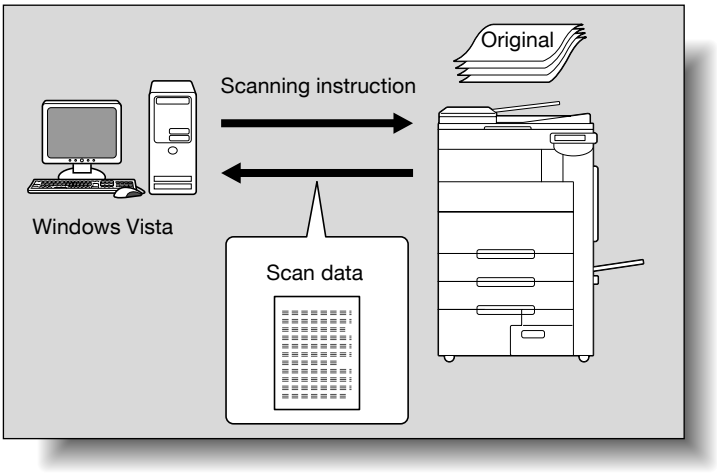
If a proxy server is available in the network environment, a WebDAV server on the Internet can be accessed through the proxy server.

Web Service

Scanning can be performed using the Web Service Function provided with Windows Vista.

If this machine is recognized by a computer (Windows Vista) on the network and installed, a scan command can be sent from the computer, or this machine can scan using the specified operation and send the scan data to the computer.

By specifying this machine (installed as a scanner) when scanning from Windows Vista, scanning is possible using Web Service for communication.



...

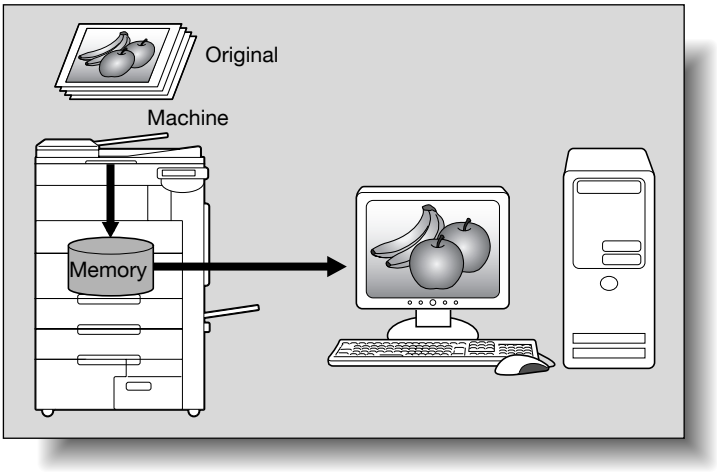
Note

If optional image controller IC-409 has been installed this function is not available.

Using the machine as a scanner

This machine can be used as a scanner. The scanner can be controlled from a computer connected to the network, and the scanned image can be imported into an application on the computer to be processed.

For more details, refer to the TWAIN driver manual on the User Software CD-ROM.



...

Note

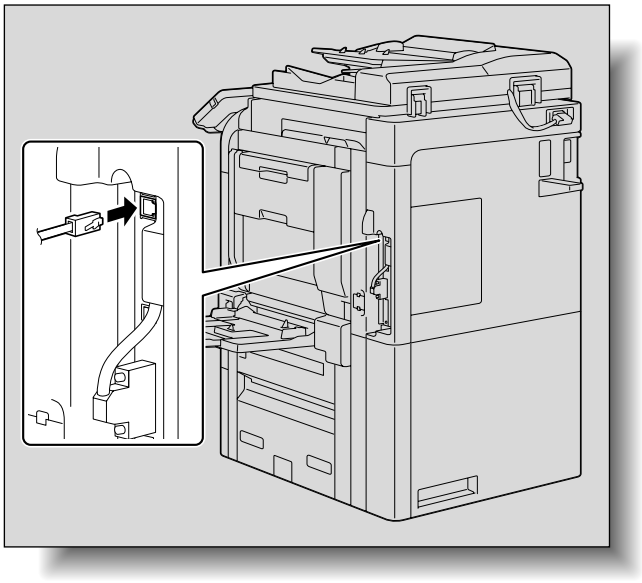
If optional image controller IC-409 has been installed this function is not available.

1.3 When first used

The network connections and settings must be specified before the network scanning functions can be used. Any other settings should be specified as necessary.

Network connection

Connect a UTP cable (category 5 or later recommended) from the network to the Ethernet connector on the machine.



Network settings

Assign an IP address to the machine and complete settings for the SMTP server, etc. For details, refer to “Network Settings” on page 4-2.

Specifying the E-Mail address of the machine

To send scanned data as an E-Mail message or to use the Internet fax function, register the E-Mail address on the machine beforehand. This E-Mail address is used when sending and receiving data. Generally, it is recommended that the E-Mail address registered for the administrator be used.

If the E-Mail address registered for the administrator is not specified, the E-Mail address of the sender must be entered for each Scan to E-Mail operation. Scan to E-Mail operations are not possible without address entry.

Detail

When user authentication is enabled, the E-Mail address specified for each user is used as the sender's address.

Address Registration

Register the destination (address) of scanned/faxed data. Use one of the following registration methods.

- Using the touch panel of the machine
- Using PageScope Web Connection from a computer on the network

Registration of address book destination

The following types of destination information can be registered in the Address Book. For details on registering destinations in Address Book, refer to "Registering an address book destination" on page 3-10.

- E-Mail
- User Box
- PC (SMB)
- FTP
- WebDAV

Detail

Destinations in Address Book cannot be registered by Web service. Specify the destination by directly entering the address.

Registration of group destination

A set of addresses registered in the Address Book can be registered as a group. Group registration is useful for sending a message to more than one address at the same time.

Fax/Scan programs

The destination and scan settings can be registered together as a single program. This is convenient for frequently scanning documents and sending data under the same conditions. Use the touch panel of the machine to specify the settings.

Note

For details, refer to "Using Scan/Fax programs" on page 2-23.

Setting display contents

Set the contents to be displayed when the [Fax/Scan] key is touched on the control panel.

Note

For details, refer to "Custom Display Settings" on page 3-43.

1.4 Using Web services

It is possible to give a scan command from a computer (Windows Vista) on the network or to perform scanning according to the purpose from the machine and to send the scanned data to the computer. This section describes settings that should be specified on the computer in advance.

Settings required for using Web services

The following settings are required for using Web services:

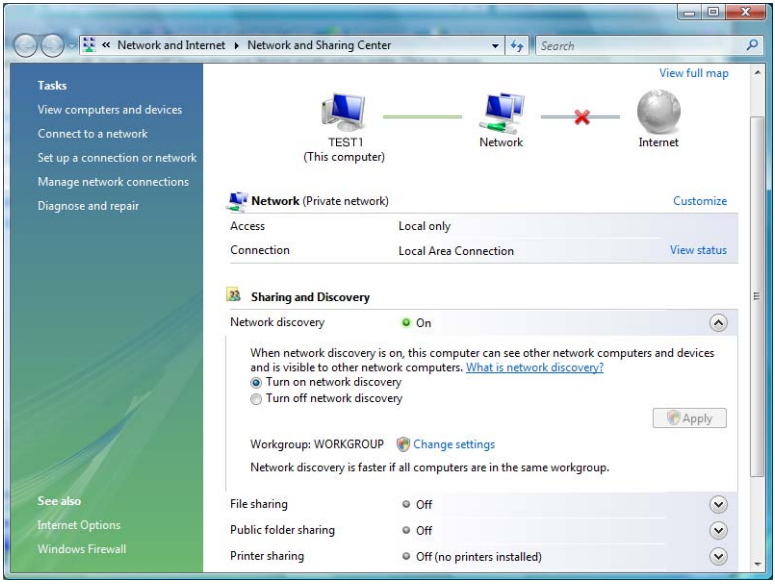
- Install the driver of the machine on the computer.
- Specify settings for Web services on the machine.

Detail

Settings for Web services on this machine can be specified in the Administrator Settings screen. For details, refer to “Web Service Settings” on page 4-117.

Installing the driver of this machine on the computer

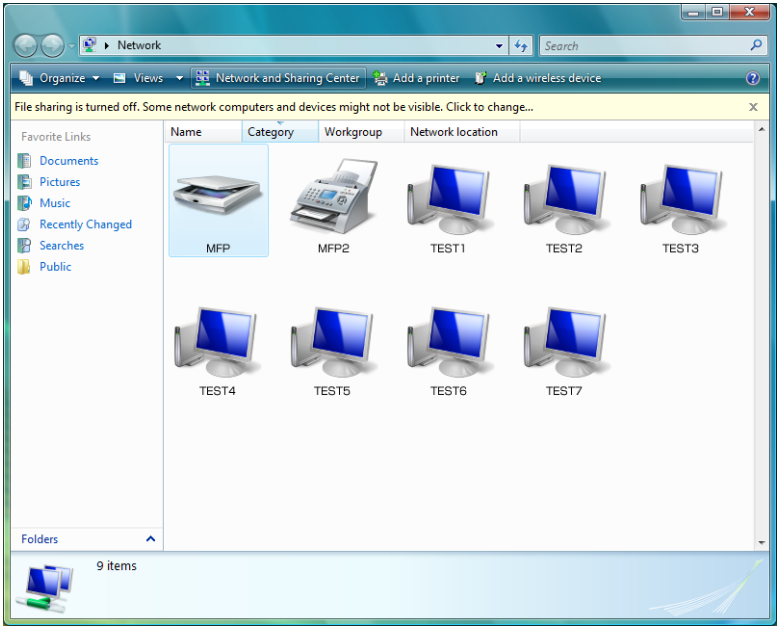
Before installation, check that “Network discovery” is enabled in [Network and Sharing Center] accessed from [Control Panel].



Installation procedure

1 Click the [Start] button, and then select [Network].

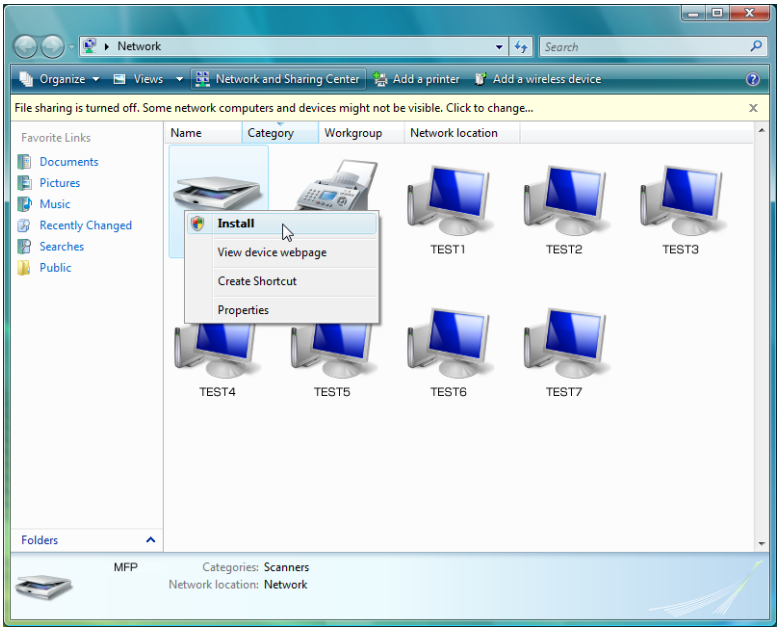
Devices connected to the network are listed.



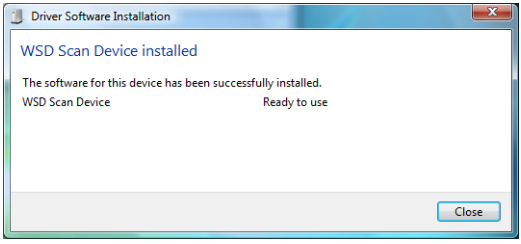
2 Right-click the scanner icon on the machine, and then select [Install].

– Depending on the settings on the computer, the UAC (User Account Control) dialog box may appear. Check the contents, and then continue.

– If both scanning and printing using Web Service have been enabled on this machine, this machine appears as a printer icon.



– The driver software is installed automatically. When the confirmation dialog box appears, click the [Close] button.



3 On the control panel of the machine, select [Web Service] and check that the connection destination is displayed.

When using SSL to communicate from Windows Vista to this machine

In order to apply SSL encryption to communications from a computer running Windows Vista to this machine, the computer must be able to use DNS to resolve the name of this machine. First, register this machine with the DNS server and specify the DNS settings from the computer. If the certificate for this machine was not issued by the certification authority, be sure to register the certificate for this machine as a certificate from a publisher trusted for computer accounts by Windows Vista.

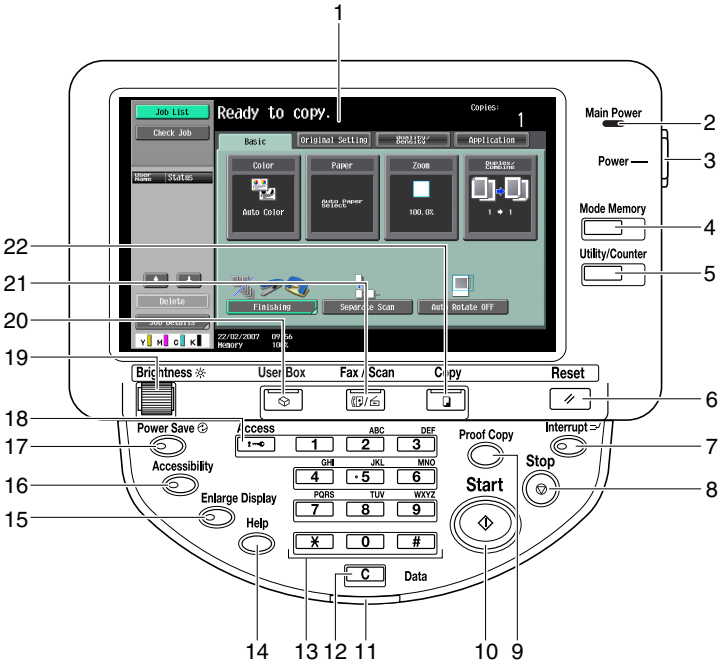
When using SSL to communicate from this machine to Windows Vista

In order to apply SSL encryption to communications from this machine to a computer running Windows Vista, create a certificate from the computer, and then link it to the communications port.

2 Scanning

2 Scanning

2.1 Control panel



No.	Part Name	Description
1	Touch panel	Displays various screens and messages. Specify the various settings by directly touching the panel.
2	Main Power indicator	Lights up in green when the machine is turned on with the main power switch
3	Sub power switch	Press to turn on/off machine operations, for example, for copying, printing or scanning. When turned off, the machine enters a state where it conserves energy.
4	[Mode Memory] key	Press to register (store) the desired scan settings as a program or to recall a registered scan program.
5	[Utility/Counter] key	Press to display the Meter Count screen and the Utility screen.
6	[Reset] key	Press to clear all settings (except programmed settings) entered in the control panel and touch panel.

No.	Part Name	Description
7	[Interrupt] key	Press to enter Interrupt mode. While the machine is in Interrupt mode, the indicator on the [Interrupt] key lights up in green and the message “Now in Interrupt mode.” appears on the touch panel. To cancel Interrupt mode, press the [Interrupt] key again.
8	[Stop] key	Pressing the [Stop] key during scanning temporarily stops the scan operation.
9	[Proof Copy] key	Press to print a single proof copy to be checked before printing a large number of copies. By pressing the [Proof Copy] key before scanning or copying, the result can be viewed on the touch panel.
10	[Start] key	Press to start scanning. When this machine is ready to begin scanning, the indicator on the [Start] key lights up in blue. If the indicator on the [Start] key lights up in orange, scanning cannot begin. Press to restart a stopped job.
11	Data indicator	Flashes in blue while a print job is being received. Lights up in blue when data is being printed.
12	[C] (clear) key	Press to erase a value (such as the number of copies, a zoom ratio, or a size) entered using the keypad.
13	Keypad	Use to type in the number of copies to be produced. Use to type in the zoom ratio. Use to type in the various settings.
14	[Help] key	Press to display the Help Menu screen, which can be used to display descriptions of the various functions and details of operations.
15	[Enlarge Display] key	Press to enter Enlarge Display mode. If authentication is performed with PageScope Authentication Manager, it does not enter Enlarge Display mode.
16	[Accessibility] key	Press to display the screen for specifying settings for user accessibility functions.
17	[Power Save] key	Press to enter Power Save mode. While the machine is in Power Save mode, the indicator on the [Power Save] key lights up in green and the touch panel goes off. To cancel Power Save mode, press the [Power Save] key again.
18	[Access] key	If user authentication or account track settings have been applied, press this key after entering the user name and password (for user authentication) or the account name and password (for account track) in order to use this machine.
19	[Brightness] dial	Use to adjust the contrast of the touch panel.
20	[User Box] key	Press to enter User Box mode. While the machine is in User Box mode, the indicator on the [User Box] key lights up in green. For details, refer to the User’s Guide [Box Operations].
21	[Fax/Scan] key	Press to enter Fax/Scan mode. While the machine is in Fax/Scan mode, the indicator on the [Fax/Scan] key lights up in green. For details, refer to the User’s Guide [Fax Operations].

No.	Part Name	Description
22	[Copy] key	Press to enter Copy mode. (As a default, the machine is in Copy mode.) While the machine is in Copy mode, the indicator on the [Copy] key lights up in green. For details, refer to the User's Guide [Copy Operations].

⚠ CAUTION

Do not apply extreme pressure to the touch panel, otherwise it may be scratched or damaged.

➔ Never push down on the touch panel with force, and never use a hard or pointed object to make a selection in the touch panel.

2.2 Fax/Scan mode screen

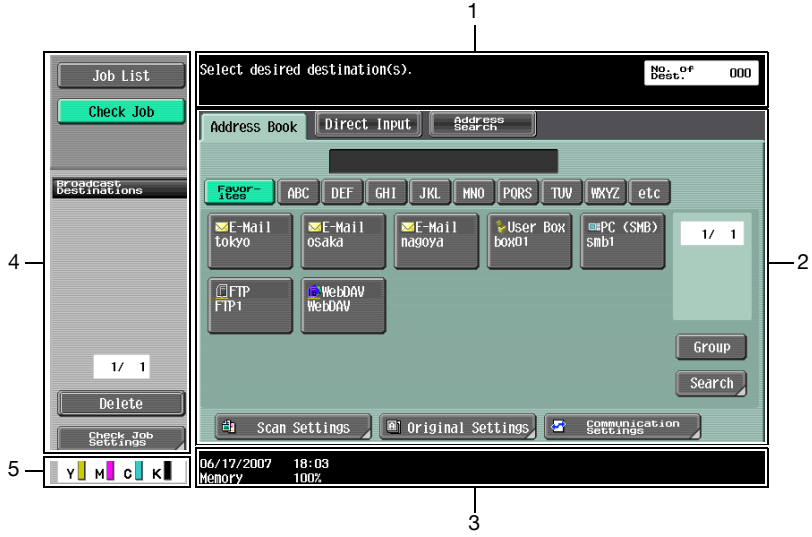
First display the Fax/Scan mode screen in order to perform scan operations.

When the machine is ready to begin making copies after being turned on, the Basic screen appears.

Press the [Fax/Scan] key to display the Fax/Scan mode screen.

To activate a function or to select a setting, lightly touch the desired button in the touch panel.

Screen layout



No.	Part name	Description
1	Message display area	Displays the status of the machine and details on operations.
2	Functions/settings display area	Displays softkeys to select functions. This area is for specifying the settings of various functions. Touch softkeys to display the corresponding screen for specifying the settings.
3	Icon display area	Displays icons indicating the status of jobs and the machine.
4	Left pane	The softkeys, such as [Job List] showing the jobs being processed or to be processed, and [Check Job] showing the result of the specified settings, appear in this area. For details on the left pane, refer to “Display and operation of the left panel” on page 2-8.

No.	Part name	Description
5	Toner supply indicators	Displays the amount of toner remaining for yellow (Y), magenta (M), cyan (C), and black (K).

Icons on the touch panel

The status of the machine may appear in the icon display area. The following are the icons that appear on the touch panel.

Icon	Description
	Indicates that data is being sent from the machine, regardless of the current mode.
	Indicates that data is being received by the machine, regardless of the current mode.
	Indicates that an error has occurred during an image stabilization operation, a print operation or a scan operation. Touch this icon to view a screen containing a warning code.
	If the warning screen was closed when a warning occurred, touch this button to display the warning screen again.
	Appears when there is a message indicating that consumables must be replaced or the machine requires maintenance. Touch this icon to display the message, and then perform the replacement or maintenance procedure.
	Appears when an error occurs with the connection to the POP server.
	Indicates that paper is not loaded in the paper tray.
	Indicates that very little paper remains in the paper tray.
	If the optional image controller is installed, touch this icon to display the setting screen for the image controller.
	Indicates that Enhanced Security mode is set to ON.
	Indicates that an external memory is installed.

Display with/without optional settings

Items appear in the screen vary depending on with or without optional fax kit installed to the machine.

Without fax kit

No fax address or fax menu appears.

With fax kit

The Job History tab appears to enable selection from destinations in the transmission history. Also, the Off-Hook tab appears, enabling dialing in off-hook mode. Also you can specify the fax transmission settings in the Direct Input tab and [Communication Settings].

2.3 Display and operation of the left panel

In the left pane of the touch panel, the keys to check the job status and settings appear. The following are the keys that appear in the left panel in Fax/Scan mode.

No.	Part name	Description
1	[Job List]	Jobs that are being processed and the job history can be checked.
2	[Check Job]	Information on the selected user box, scan, printing and transmission settings of documents can be checked.

Job List

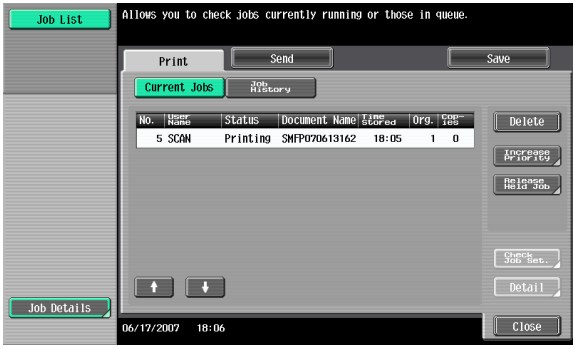
Queued operation, such as saving document data to a user box or printing/sending documents, is called a job. Touch [Job List] to display the jobs being processed.

Job List - Delete

A job being processed can be cancelled by deleting it from the list. Select the job from the job list, and then touch [Delete]. Check the message that appears, and then delete the job.

Job List - Job Details

Touch [Job Details], and a history list appears in the right area, along with a list of jobs being processed. Check job details as necessary. Jobs are classified into the following three categories:



Item	Description
[Print]	Lists print jobs for copying, printing from a computer, and printing received faxes.
[Send]	Lists fax and scanner transmission jobs.
[Save]	Lists jobs for saving documents in user boxes.

Note

If the optional fax kit has been installed, the Receive tab appears.

Current Jobs in the Print page

Item	Description
List items	No.: Job identification number assigned when the job is queued. User Name: User or account name who queued the job. Status: Job status (Receiving, PrintWait, Printing, StopPrint, Print Err, Job Stored) Document Name: File name to be printed. Time Stored: Time when the job is queued. Org.: Number of originals. Copies: The number of copies to be printed.
[↑] [↓]	Touch [↑] [↓] to switch pages when there are more jobs than seven that can be displayed at one time.
[Delete]	Deletes the selected job.
[Increase Priority]	Allows to change printing job priority.
[Release Held Job]	Allows to change settings of a stored job, or print or delete the job.
[Check Job Set.]	Allows to view the settings of the selected job. Touch either [← Back] or [Forward →] to check the settings.
[Detail]	Allows to check the job status, user name, document name, output tray, queued time, number of original pages, and number of copies to be printed. Touch [Delete] to delete the job.

Detail

If user authentication settings have been applied, the document name cannot be viewed by other users.

Document names do not appear on the screen for secured documents.

If Change Job Priority in Administrator settings is set to "Restrict", the print job priority control is not available.

If interruption is enabled in Change Job Priority setting, touching this softkey interrupts the printing job to print another job with the higher priority. The interrupted job is automatically printed once the interrupting job is finished.

Job History in the Print page

Item	Description
List items	No.: Job identification number assigned when the job is queued. User Name: User or account name who queued the job. Document Name: File name to be printed. Time Stored: Time when the job is queued. Org.: Number of originals. Copies: The number of copies to be printed. Result: Result of a job (Job Complete, Deleted Due To Error, Deleted by User, Reset Modes).
[↑] [↓]	Touch [↑] [↓] to switch pages when there are more jobs than seven that can be displayed at one time.
[Deleted Jobs]/[Finished Jobs]/[Active Jobs]	Touch the softkey to display each category of job.
[Detail]	Displays the results of the job, error details, user name, document name, output tray, queued time, number of original pages, and number of copies to be printed.

Detail

If user authentication settings have been applied, the document name cannot be viewed by other users.

Document names do not appear on the screen for secured documents.

Current Jobs in Send page

Item	Description
List items	No.: Job identification number assigned when the job is queued. Address type: Type of the destination (fax, E-Mail, FTP, PC (SMB), WebDAV, TWAIN, others). Status: Job status (Transferring, Waiting, Dialing, Waiting To Redial) Destination: Fax number, E-Mail address and user box name of the recipient. Time Stored: Time when the job is queued. Org.: Number of originals.
[↑] [↓]	Touch [↑] [↓] to switch pages when there are more jobs than seven that can be displayed at one time.
[Timer TX Job]	Displays the status of the reserved transmission in the memory. Touch [Delete] to delete the job.
[L1] [L2]	These softkeys appear if the optional fax multi line has been installed. Displays the list of the selected line.
[Delete]	Deletes the selected job.
[Redial]	Select the job marked “Waiting To Redial” status for redialing.
[Check Job Set.]	Allows to view the settings of the selected job. Touch either [← Back] or [Forward →] to check the settings.

Item	Description
[Detail]	Displays the job status, user name, document name, destination type, destination, queued time, transmission time, number of original pages, and external server information. Touch [Delete] to delete the job.

Detail

If user authentication settings have been applied, the document name cannot be viewed by other users.

Document names do not appear on the screen for secured documents.

The external server information in [Detail] is available only if the external server authentication is applied.

"TWAIN" is indicated for jobs sent by the Web service.

Job History in the Send page

Item	Description
List items	No.: Job identification number assigned when the job is queued. Address type: Type of the destination (fax, E-Mail, FTP, PC (SMB), WebDAV, TWAIN, others). Destination: Fax number, E-Mail address and user box name of the recipient. Time Stored: Time when the job is queued. Org.: Number of originals. Result: Result of a job (Job Complete/Deleted Due To Error/Deleted by User).
[↑] [↓]	Touch [↑] [↓] to switch pages when there are more jobs than seven that can be displayed at one time.
[Deleted Jobs]/[Finished Jobs]/[All Jobs]	Touch the softkey to display each category of job.
[Comm. List]	Displays the Scan list, Fax TX list, and Fax RX list. At each list screen, the activity report, TX report, and RX report can be printed.
[Detail]	Displays the job results, error details, user name, document name, destination type, queued time, transmission time, number of original pages, and external server information.

Detail

If user authentication settings have been applied, the document name cannot be viewed by other users.

Document names do not appear on the screen for secured documents.

The external server information in [Detail] is available only if the external server authentication is applied.

"TWAIN" is indicated for jobs sent by the Web service.

Current Jobs in the Receive page

The Receive tab appears only when the optional fax kit has been installed. For details on the contents of the tab, refer to the User's Guide [Fax Operations].

Job History in the Receive page

The Receive tab appears only when the optional fax kit has been installed. For details on the contents of the tab, refer to the User's Guide [Fax Operations].

Current Jobs in the Save page

Item	Description
List items	No.: Job identification number assigned when the job is queued. User Name: User or account name who queued the job. Status: Job status (Receiving, Saving to Memory). Document Name: Displays the name of the saved document. Time Stored: Time when the job is queued. Org.: Number of originals.
[↑] [↓]	Touch [↑] [↓] to switch pages when there are more jobs than seven that can be displayed at one time.
[Delete]	Deletes the selected job.
[Detail]	Displays the job status, user name, document name, user box, queued time, and number of original pages. Touch [Delete] to delete the job.

Detail

If user authentication settings have been applied, the document name cannot be viewed by other users.

Document names do not appear on the screen for secured documents.

Job History in the Save page

Item	Description
List items	No.: Job identification number assigned when the job is queued. User Name: User or account name who queued the job. Document Name: Displays the name of the saved document. Time Stored: Time when the job is queued. Org.: Number of originals. Result: Result of a job (Job Complete/Deleted Due To Error/Deleted by User/Reset Modes).
[↑] [↓]	Touch [↑] [↓] to switch pages when there are more jobs than seven that can be displayed at one time.
[Deleted Jobs]/[Finished Jobs]/[Active Jobs]	Touch the softkey to display each category of job.

Item	Description
[Communication List]	Displays the Scan list, Fax TX list, and Fax RX list. At each list screen, the activity report, TX report, and RX report can be printed.
[Detail]	Displays the job result, error details, user name, document name, user box queued time, and number of original pages.

Detail

If user authentication settings have been applied, the document name cannot be viewed by other users.

Document names do not appear on the screen for secured documents.

Check Job - Check Job Settings

When touch [Check Job], [Check Job Settings] appears.

Touch [Check Job Settings] to check the following settings:

- Destination Settings
- Scan Settings
- Original Settings
- Check E-Mail Settings

Check Job - Check Job Settings - Destination Settings

This screen displays the list of registered destinations.

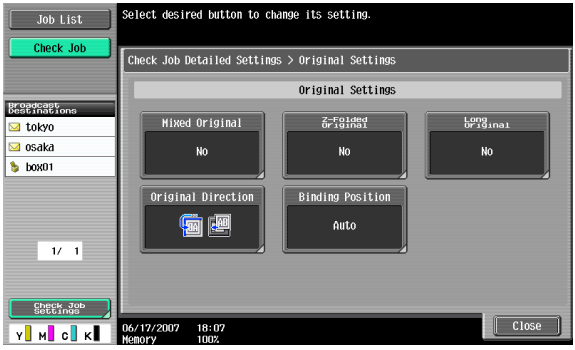
- To add a destination to the list, touch [Store Address].
- To view the details of the destination on the screen, select the destination, and then touch [Details].
- To delete a destination, select the destination, and then touch [Delete].

Check Job - Check Job Settings - Scan Settings

The basic scan setting, scan settings, and application settings can be checked. Touch either [← Back] or [Forward →] to check the settings.

Check Job - Check Job Settings - Original Settings

The original settings can be checked.

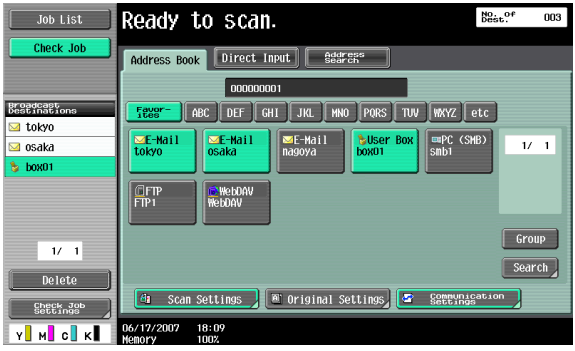


Check Job - Check Job Settings - Check E-Mail Settings

The document name, subject, From address and message body for sending E-Mail messages can be checked.

Check Job - Delete

Touch [Delete] to delete the selected destination from the Broadcast Destinations list.



2.4 Previewing

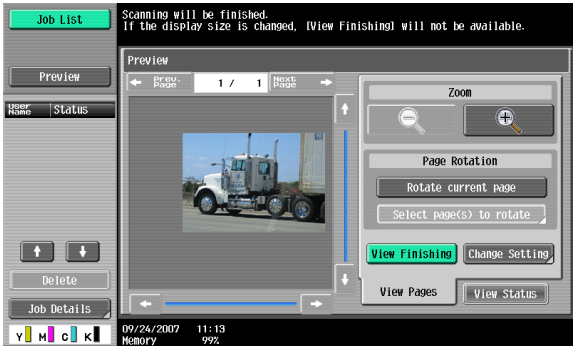
With a scan transmission, pressing the [Proof Copy] key in the control panel after loading the document displays a preview of the finished scan in the touch panel. In the Preview screen, the orientation of the scanned document can be checked and the settings can be changed.

Detail

A preview cannot be displayed if the document is scanned with an encryption setting specified.

Preview screen

This screen displays the scanned image.



Item	Description
[Prev. Page]/[Next Page]	If the document being saved contains multiple pages, the various pages can be displayed.
Zoom	The document can be viewed at full size or at a size of 2, 4 or 8 times the normal size. Select the display size, and then use the scroll bars at the right side and at the bottom of the image to view the desired section of the image.
Page Rotation	[Rotate current page]: Touch this button to rotate the currently displayed page by 180 degrees. [Select page(s) to rotate]: This key appears when the document being saved contains multiple pages. A list of scanned pages appears, allowing you to select the pages to be rotated by 180 degrees. The following operations are available in the list of scanned pages. [Select Odd]: Touch this button to rotate the images of the odd-numbered pages by 180 degrees. [Select Even]: Touch this button to rotate the images of the even-numbered pages by 180 degrees. [Select All]: Touch this button to rotate the images of all pages by 180 degrees.

Item	Description
[View Finishing]	The specified settings appear as icons and descriptions in the preview image. To remove the icons and descriptions and display only the image, touch [View Finishing] to deselect it.
[Change Setting]	Touch this button to change some of the settings specified before the document is scanned. For details, refer to “Preview - View Pages - Change Setting” on page 2-19.

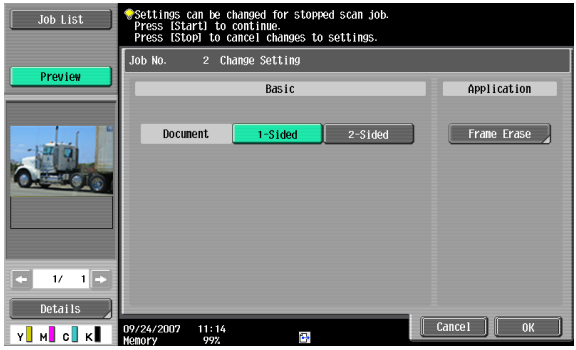
Note

By directly selecting a page, the image of the selected page is rotated by 180 degrees.

Preview - View Pages - Change Setting

The following settings specified before scanning the original can be changed.

The new settings are applied to the originals scanned after the change of setting.



Parameter	Description
Basic - Document	Select whether a single-sided or double-sided document is to be scanned. If “Cover + 2-Sided” was selected, “Cover + 2-Sided” can also be selected.
Basic - Binding Position	This item can be selected when the destination of “E-Mail”, “User Box”, “FTP”, “SMB” or “WebDAV” is specified and “Book Copy” is not selected.
Basic - Original Size	This item can be selected when “Mixed Original” is specified.
Application - Frame Erase	Specify the width of the area to be deleted from around the edge of the document.

Parameter	Description
Application - Center Erase	When [Center Erase] appears and is able to be selected, Center Erase can be specified.

Preview - View Status

Select whether or not to continue scanning.

Item	Description
[Finish]	To continue scanning after the currently displayed original, make sure that [Finish] is not selected.

Sending after previewing

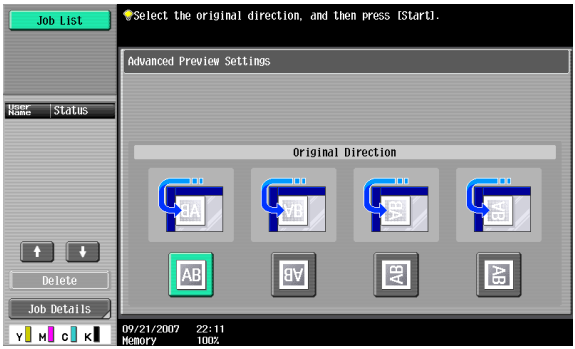
The following procedure describes the operations performed after a destination is specified with a Scan/Fax program, from the address book, or by directly entering the address, and the document is positioned. For details on specifying destinations, refer to the descriptions starting with “Using Scan/Fax programs” on page 2-23.

1 Position the document to be scanned.

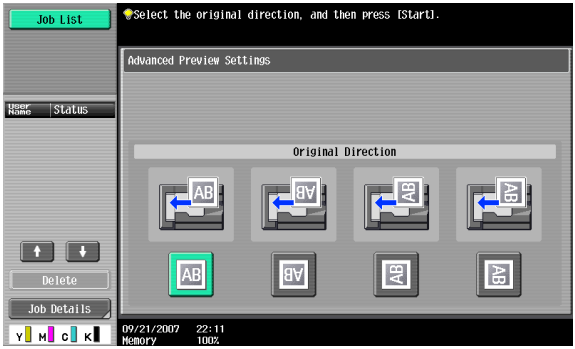
2 Press the [Proof Copy] key.

3 Select the document orientation.

– When placed on the original glass



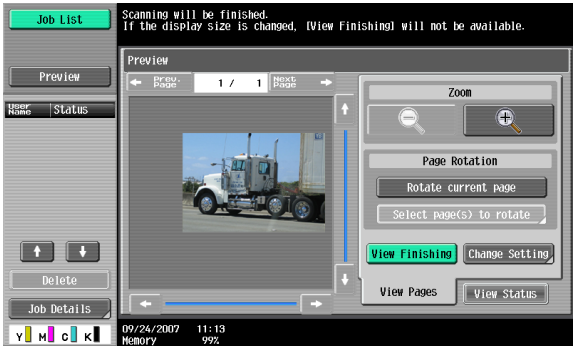
– When loaded into the ADF



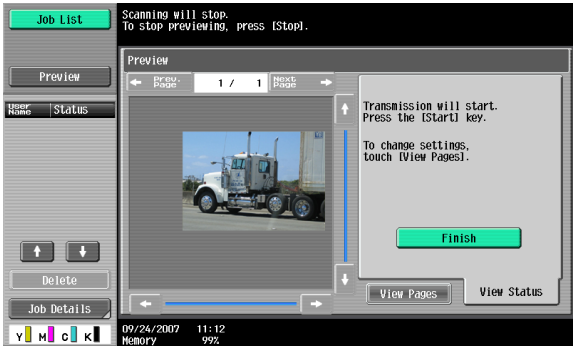
4 Press the [Start] key.

The document is scanned, and the Preview screen is displayed.

5 Check the preview image, and then rotate the image or change the settings, if necessary.



– To scan another document page, touch the View Status tab, touch [Finish] to deselect it, and then position the other document page.



6 Press the [Start] key.

The transmission begins.

2.5 Using Scan/Fax programs

A set of scan settings and recipient information can be registered together as a program. This feature is convenient for frequently scanning documents and sending data under the same conditions. Follow the procedure described below to register and recall a Scan/Fax program.

Detail

Up to 400 normal programs and 10 temporary programs, which are temporarily available, can be registered.

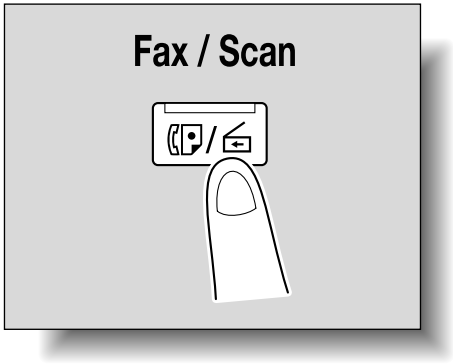
If 410 programs have been registered, delete an unnecessary program. For details on deleting programs, refer to "Editing and deleting Scan/Fax programs" on page 2-33.

Recalling a Scan/Fax program

When a Scan/Fax program is recalled, the registered settings can be checked.

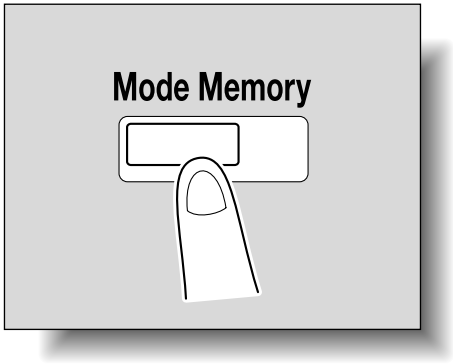
1 Press the [Fax/Scan] key in the control panel.

The Fax/Scan mode screen appears.



2 Press the [Mode Memory] key.

The Recall Scan/Fax Program screen appears.



3 Touch the button for the program that is to be recalled.

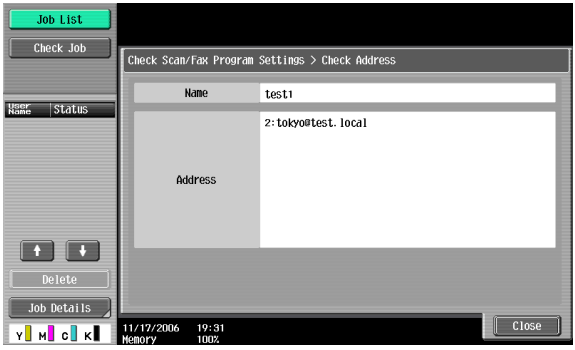
- To continue without checking the settings registered with the selected program, continue with step 7.
- To stop recalling a program, press the [Reset] key or the [Mode Memory] key.

4 Touch [Check Program Settings].

The Check Scan/Fax Program Settings screen appears.

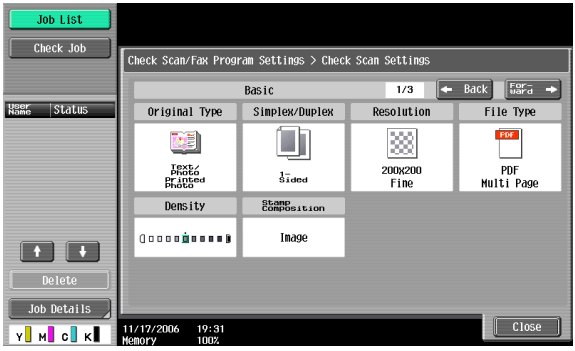
5 Touch the button for the setting to be checked.

- To check the list of specified destinations, touch [Check Address].
- The settings cannot be changed from the Check Scan/Fax Program Settings screen.

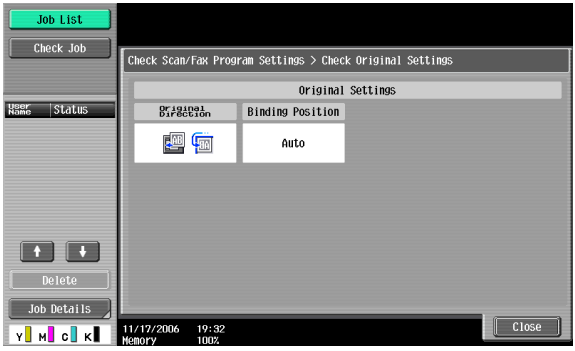


- To check the scan settings for the document, such as the document quality, background adjustment and scanning area size, touch [Check Scan Settings].
- There are three Check Scan Settings screens. The number of the currently displayed screen appears to the right of the screen title.

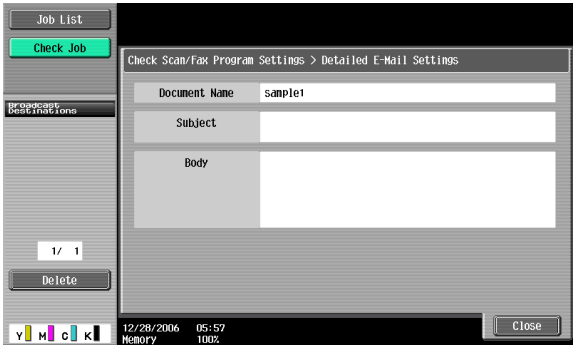
– To display the previous screen, touch [←Back]. To display the next screen, touch [Forward→].



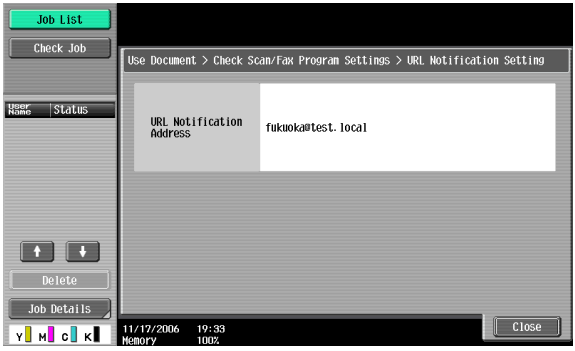
– To check settings such as the document orientation and binding position, touch [Check Original Settings].



– To check settings such as the e-mail subject name and message text, touch [Check E-Mail Settings].



– To check the e-mail destination for notification of the completion of jobs, touch [Check URL Notif. Destination].



6 After checking the settings, touch [Close].

The Recall Scan/Fax Program screen appears again.

7 Touch [OK].

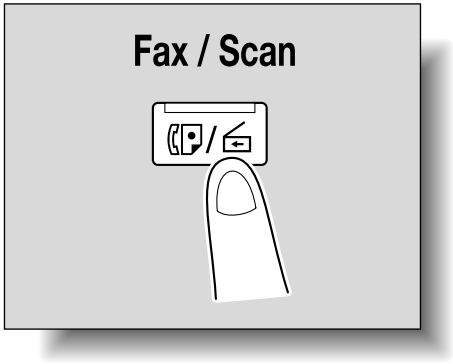
8 If desired, press the [Proof Copy] key to check a preview image.

– For details, refer to “Sending after previewing” on page 2-20.

Registering Scan/Fax programs

1 Press the [Fax/Scan] key in the control panel.

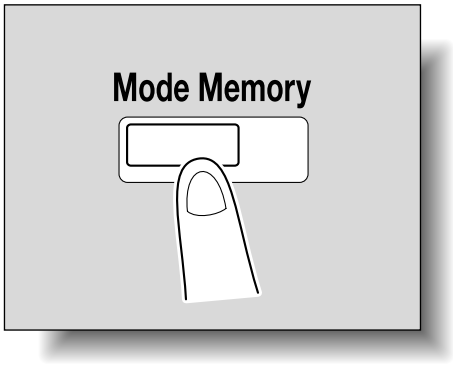
The Fax/Scan mode screen appears.



2 Touch [Scan Settings], [Original Settings] or [Communication Settings], and then specify the desired scan settings.

3 Press the [Mode Memory] key.

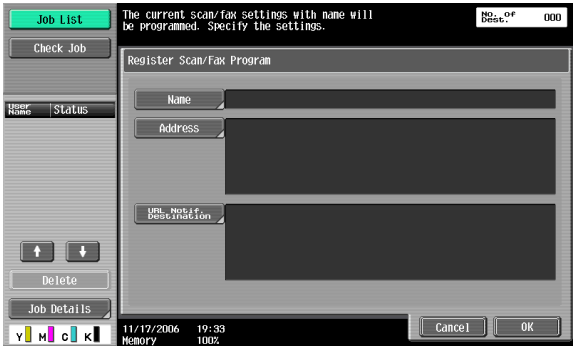
The Recall Scan/Fax Program screen appears.



4 Touch the button where the program is to be saved.

5 Touch [Register Program].

The Register Scan/Fax Program screen appears.



6 Touch [Name], and then use the control panel keypad and the keyboard that appears in the touch panel to type in the name of the program.

– The program name can contain a maximum of 24 characters.

– To stop registering the program, press the [Reset] key or the [Mode Memory] key.
– For details on typing in text, refer to “Entering text” on page 6-4.

7 Touch [OK].

8 Touch [Address], and then select the destination.

– When selecting destinations registered in the address book, destinations can be selected from each destination type.
– Destinations can be specified either by selecting destinations registered in the address book or by typing them in directly.
– Destinations that cannot be specified, such as fax destinations, are not displayed.

– To directly type in the destination, select the destination type, and then type in the destination information. For a user box destination, select a previously created user box.

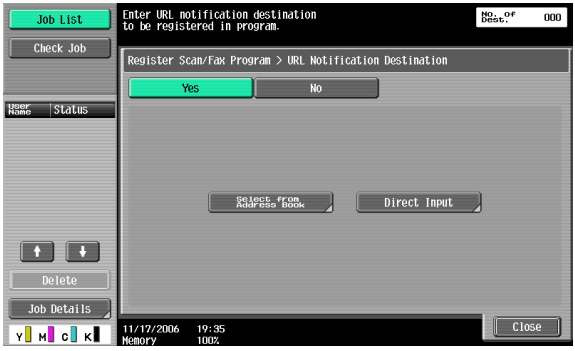
9 Touch [Close].

10 To send e-mail notifications of the completion of jobs, touch [URL Notif. Destination].

– The destinations that can be specified for URL notification are FTP, SMB or WebDAV.
– This feature is not available with Scan to E-Mail operations.

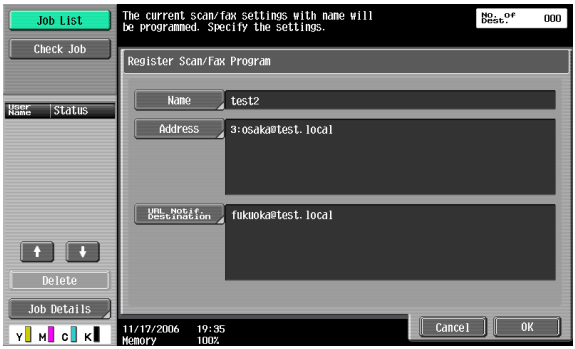
11 Touch [Yes], and then specify the e-mail address for the destination of URL notifications.

– Recipients can be specified either by selecting destinations registered in the address book or by typing them in directly.
– One destination can be specified.



12 Touch [Close].

13 Touch [OK].



The Recall Scan/Fax Program screen appears again. The program is registered and a button with the entered program name appears.

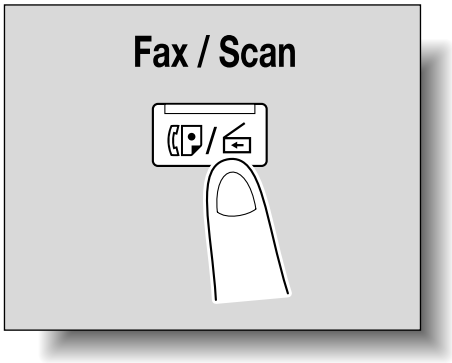
14 Touch [OK].

Editing and deleting Scan/Fax programs

The names of registered Scan/Fax programs can be edited, or the program can be deleted.

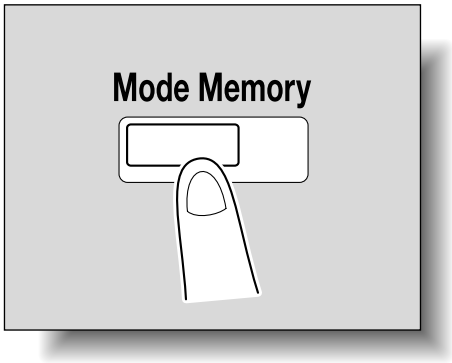
1 Press the [Fax/Scan] key in the control panel.

The Fax/Scan mode screen appears.



2 Press the [Mode Memory] key.

The Recall Scan/Fax Program screen appears.

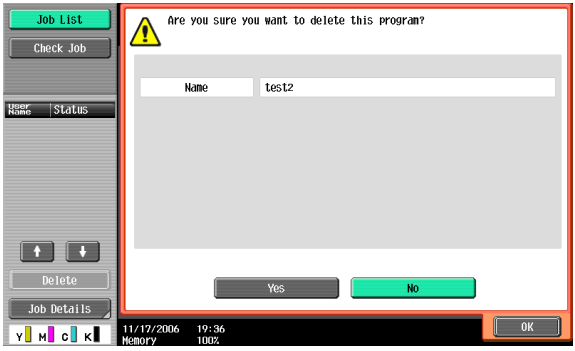


3 Touch the button for the program to be edited or deleted.

- To check the settings of the selected program, touch [Check Program Settings]. In the Check Scan/Fax Program Settings screen, select the items to be checked.
- To stop editing or checking a program, press the [Reset] key or the [Mode Memory] key.
- To view a list of the pages, touch [Page List]. From the Page List screen, the name of the page can be changed.

- To change the name of the selected program, touch [Register Program], and then touch [Name].
- The program name can contain a maximum of 24 characters.
- For details on typing in text, refer to “Entering text” on page 6-4.

– To delete the selected program, touch [Delete]. Then, touch [Yes], then [OK].



4 Touch [OK].

2.6 Sending data in an e-mail message (Scan to E-Mail)

Scan to E-Mail

The Scan to E-Mail operation is used to send scan data to a specified e-mail address as a file attachment.

Recipients can be selected from destinations registered in the address book or they can be typed in directly. The methods can be combined, for example, by selecting a recipient from a group destination, then adding other destinations through direct input. Destinations can be selected using any of the following methods. For details, refer to the corresponding section.

Selection method	Page reference
Selecting from the address book	p. 2-36
Entering addresses directly	p. 2-41
Selecting a group destination	p. 2-38
Selecting a destination that was searched for	p. 2-43
Searching for an LDAP server address	p. 2-47

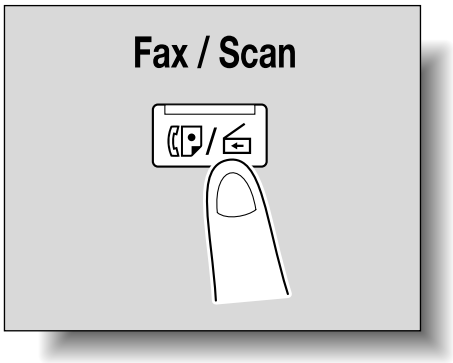
Selecting a destination from the address book

Follow the procedure described below to send data by selecting a recipient from the already registered destinations.

For details on registering destinations, refer to “Registering an address book destination” on page 3-10.

1 Press the [Fax/Scan] key in the control panel.

The Fax/Scan mode screen appears.

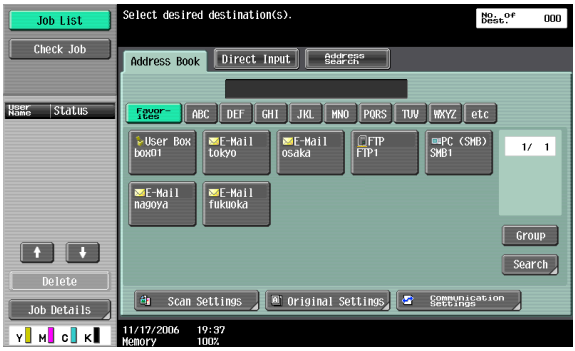


2 Touch [Address Book].

– To view group destinations, touch [Group].

– The index appears if “Address Book Default” (displayed by touching [Custom Display Settings] on the User Settings screen, then [Fax/Scan Settings]) is set to “Index”. If “Address Type” is selected, the index of destination types is displayed.
– The corresponding address appears as the name of the registered destination when an index button is touched.

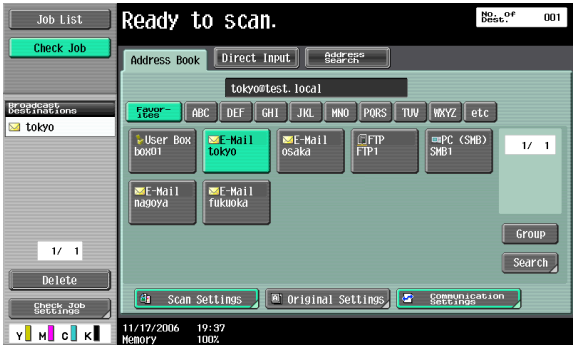
A list of registered destinations appears.



3 Touch a destination button to select the address.

– Multiple destinations can be specified at the same time.
– Additional destinations can be added by directly typing in the address.

The button appears selected, and the destination appears under “Broadcast Destinations”.



4 Touch [Scan Settings], [Original Settings] or [Communication Settings], and then specify the desired scan settings.

– For details on the scan settings, refer to “Specifying scan and transmission settings (Scan Settings/Original Settings/Communication Settings)” on page 2-75.

5 Load the document into the ADF or place it on the original glass.

6 If desired, press the [Proof Copy] key to check a preview image.

– For details, refer to “Sending after previewing” on page 2-20.

7 Press the [Start] key in the control panel.

Scanning of the document begins, and the data is sent.

Note
Do not turn off the machine until the scan job is deleted from the Job List screen.

Selecting a group destination

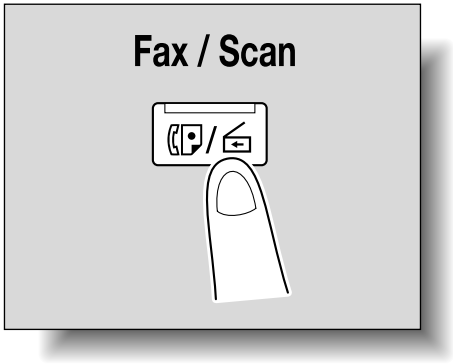
“Group” refers to multiple destinations that are registered collectively. The description below describes the procedure for specifying the group and sending the data, starting from the situation where “Address Book default” has been set to “Address Type” in [Custom Display Settings] in the User Settings screen.

For details on registering group destinations, refer to “Registering a group destination” on page 3-32.

Detail
For details on screen display, refer to “Default Address Book” on page 3-47.

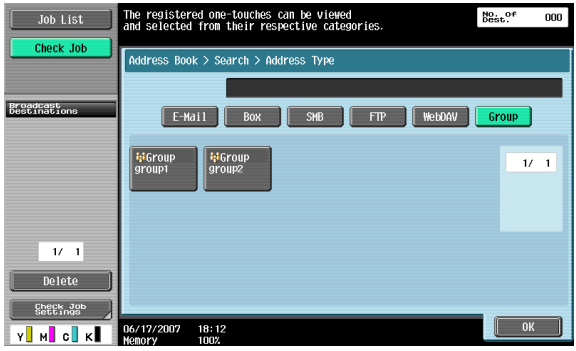
1 Press the [Fax/Scan] key in the control panel.

The Fax/Scan mode screen appears.



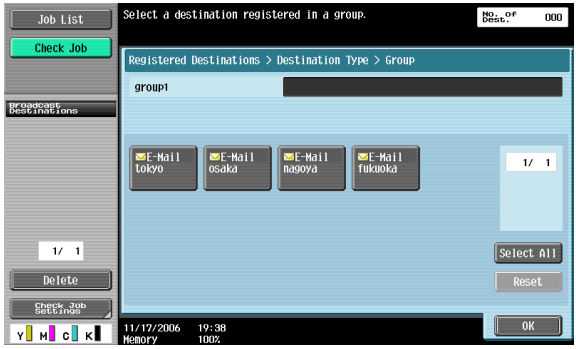
2 Touch [Group].

The destinations registered as groups appear.



3 Touch the button for the group destination.

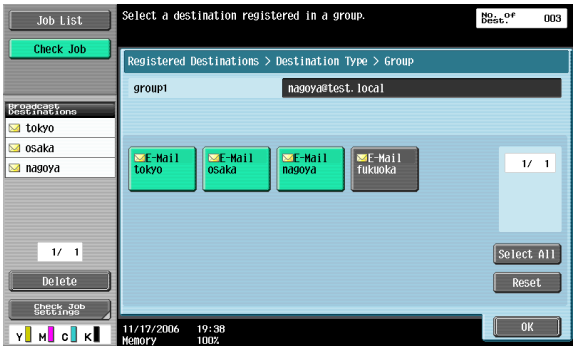
A list of destinations registered in the group appears.



4 Select the destination where the data is to be sent, and then touch [OK].

- To select all destinations, touch [Select All].
- To deselect all destinations, touch [Reset].
- Additional destinations can be added by directly typing in the address.

The button appears selected, and the destination appears under “Broadcast Destinations”.



5 Touch [Scan Settings], [Original Settings] or [Communication Settings], and then specify the desired scan settings.

- For details on the scan settings, refer to “Specifying scan and transmission settings (Scan Settings/Original Settings/Communication Settings)” on page 2-75.

6 Load the document into the ADF or place it on the original glass.

7 If desired, press the [Proof Copy] key to check a preview image.

- For details, refer to “Sending after previewing” on page 2-20.

8 Press the [Start] key in the control panel.

Scanning of the document begins, and the data is sent.

...

Note

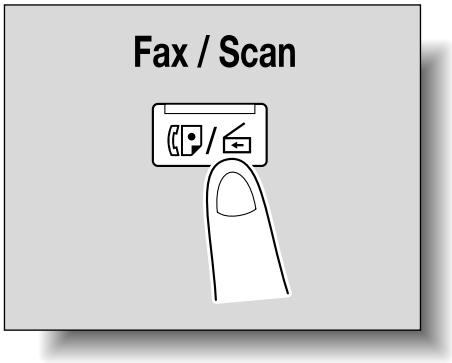
Do not turn off the machine until the scan job is deleted from the Job List screen.

Entering addresses directly

Using the control panel to directly type in the destination address when scanning is called “direct input”.

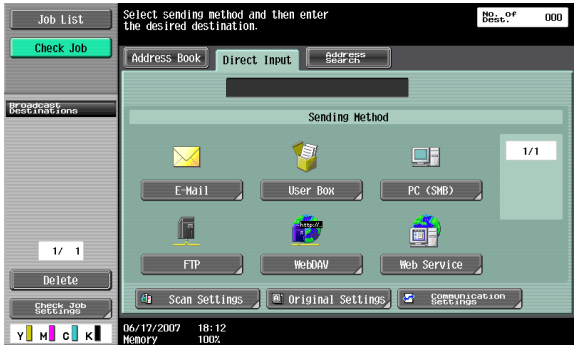
1 Press the [Fax/Scan] key in the control panel.

The Fax/Scan mode screen appears.



2 Touch [E-Mail] on the Direct Input screen.

A screen appears, allowing you to type in the address of the destination.



? Why is the Direct Input tab not displayed?

➔ If the “Manual Destination Input” (displayed by touching [Security Settings] on the Administrator Settings screen, then [Security Details]) is set to “Restrict”, the Direct Input tab does not appear.

3 Type in the address of the destination, and then touch [OK].

– To specify additional destinations, repeat steps 2 and 3.
– Frequently entered user names and domain names can be registered to be recalled and used again. First, prefixes and suffixes must be registered in Administrator mode.

The entered addresses appear under “Broadcast Destinations”.

4 Touch [Scan Settings], [Original Settings] or [Communication Settings], and then specify the desired scan settings.

– For details on the scan settings, refer to “Specifying scan and transmission settings (Scan Settings/Original Settings/Communication Settings)” on page 2-75.

5 Load the document into the ADF or place it on the original glass.

6 If desired, press the [Proof Copy] key to check a preview image.

– For details, refer to “Sending after previewing” on page 2-20.

7 Press the [Start] key in the control panel.

Scanning of the document begins, and the data is sent.

Note
Do not turn off the machine until the scan job is deleted from the Job List screen.

Selecting a destination that was searched for

Follow the procedure described below to search for the desired destination. This procedure describes an advanced search.

Parameter	Description
Index	This button appears if “Address Book Default” (displayed by touching [Custom Display Settings] on the User Settings screen, then [Fax/Scan Settings]) is set to “Address Type”. The index characters can be searched based on the character that was specified when the destination was registered.
Address Type	This button appears if “Address Book Default” (displayed by touching [Custom Display Settings] on the User Settings screen, then [Fax/Scan Settings]) is set to “Index”. The destination types can be searched based on the type that was specified when the destination was registered.
Detail Search	Type in the destination name or part of the address to search for the corresponding address.
Address Search	An LDAP search can be performed if an LDAP server is being used, for example, for user management. Search the addresses registered on the LDAP server for the address that corresponds to the conditions. A basic search, where a keyword is entered, and an advanced search, where multiple conditions are used to narrow down the search, are available.

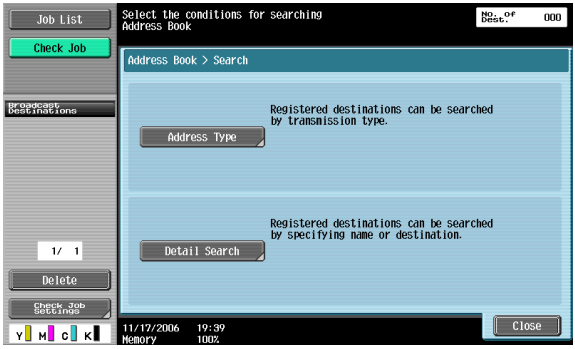
Detail

In order to perform an Address Search, settings for the LDAP server must be specified from Administrator mode. For details, refer to “Enabling LDAP” on page 4-64.

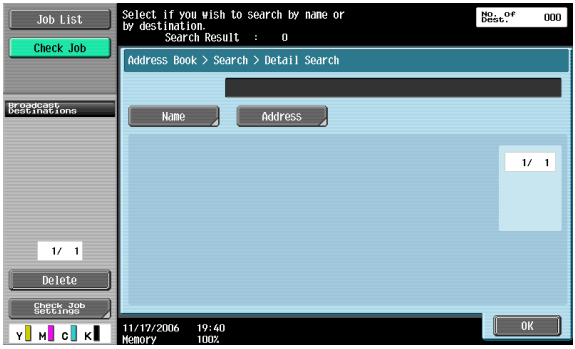
For details on performing an Address Search, refer to “Selecting a destination with an Address Search” on page 2-47.

1 Touch [Address Book] in the Fax/Scan mode screen, and then touch [Search].

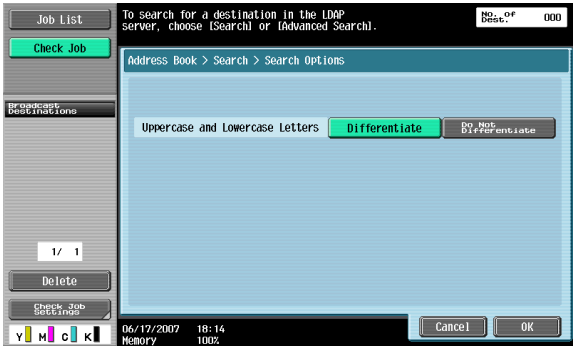
2 Touch [Detailed Search].



3 Touch [Name] or [Address] to select the search to be performed.



4 If “Search Option Screen” was set to “ON”, a screen appears, allowing the search options to be selected. Select the desired settings, and then touch [OK].

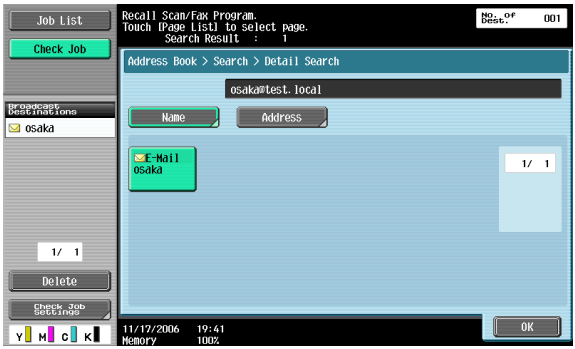


– For details on specifying the search options, refer to “Search Option Settings” on page 3-48.

5 Type in the text to be searched for, and then touch [OK].

The Detailed Search screen appears again, and the search results are displayed.

6 Select the desired destination, and then touch [OK].



Selecting a destination with an Address Search

If LDAP server settings are specified in Administrator mode, [Address Search] appears in the Fax/Scan mode screen.

Detail

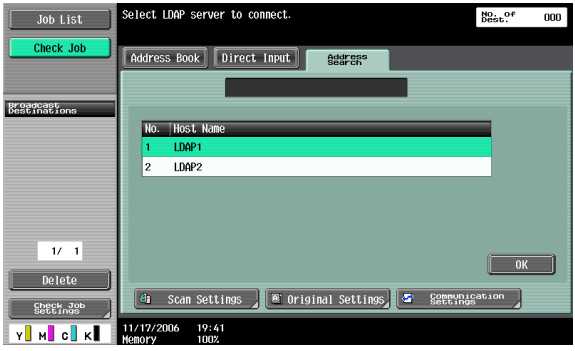
For details on specifying LDAP server settings, refer to "Enabling LDAP" on page 4-64.

If the if "Manual Destination Input" (displayed by touching [Security Settings] on the Administrator Settings screen, then [Security Details]) is set to "Restrict", [Address Search] does not appear.

The position of [Address Search] can be changed from the User Settings screen. For details, refer to "Default Address Book" on page 3-47.

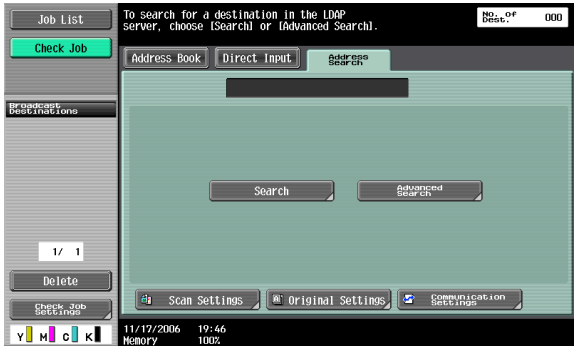
1 Touch [Address Search] in the Fax/Scan mode screen.

2 If multiple LDAP servers are specified, select the server to be searched, and then touch [ON].

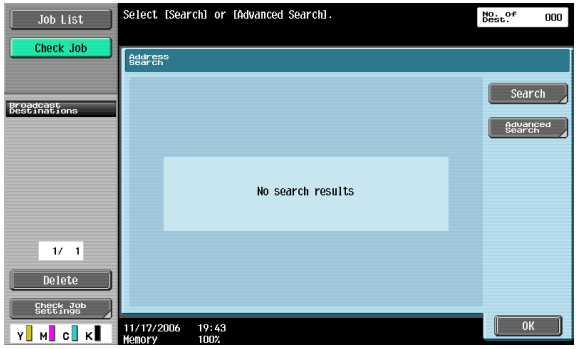


3 Select the desired search type.

– Authentication may be necessary, depending on the LDAP server that is specified.
– When there is only one LDAP server



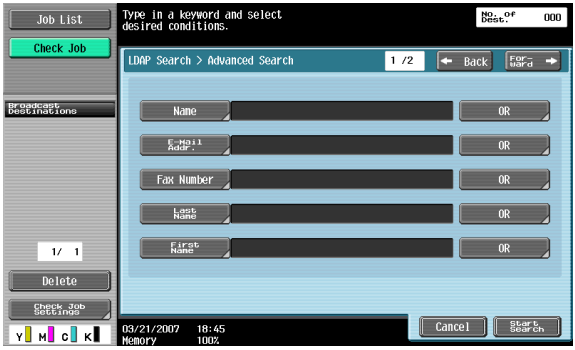
– When there are multiple LDAP servers



4 Specify the search conditions.

– If “Basic Search” was selected, type in the keyword to be searched for, and then touch [Start Search].

– If “Advanced Search” was selected, select the search condition types and type in the text to be searched for, and then touch [Start Search].



5 Select the desired destination, and then touch [OK].

2.7 Sending data to a computer on the network (Scan to SMB)

Scan to SMB

Scan data can be sent directly to a specific computer on the network.

In order to perform a Scan to SMB operation, first specify shared file settings in Windows on the computer receiving the data.

Destinations can be selected for Scan to SMB operations using any of the following methods. For details, refer to the corresponding section.

Selection method	Page reference
Selecting from the address book	p. 2-51
Entering addresses directly	p. 2-53
Selecting a group destination	p. 2-38
Selecting a destination that was searched for	p. 2-43

Reminder

When registering a destination for transmitting to a shared Windows folder, type the host name and folder name in uppercase letters.

Scan to SMB operations with Windows File Sharing (Mac OS X)/Samba (Linux/Unix)

When performing Scan to SMB operations with Mac OS X, Linux or UNIX, the network settings and user names must meet the following conditions. Change the settings according to the environment used with the transmission.

Machine settings

- Set “NTLM Settings” (displayed by touching [Network Setting] on the Administrator Settings screen, then [SMB Settings], then [Client Settings]) to “v1”.

Server settings

- The user names and shared folder names must contain 12 or less characters.
- When looking up destinations, the shared folder name appear only in alphanumeric characters. Sub-folder names can be shown in characters other than alphanumeric characters.
- When looking up a destination, first type in the user ID and password.

...

Note

Samba is a program that provides SMB services for Unix or Linux. In Mac OS X, Samba is called "Windows File Sharing".

CIFS is not supported.

Scan to SMB operations with Windows 98 SE and Windows Me

When performing Scan to SMB operations with Windows 98 SE/Windows Me, the network settings must meet the following conditions.

Machine settings

- Set "NTLM Settings" (displayed by touching [Network Setting] on the Administrator Settings screen, then [SMB Settings], then [Client Settings]) to "v1/v2" or "v1".

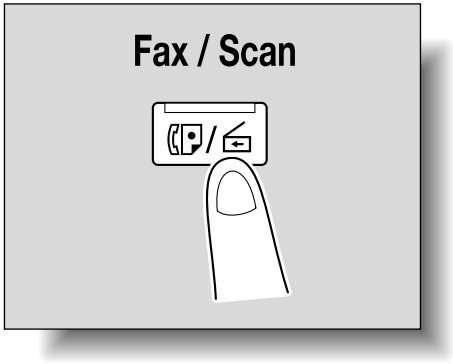
Selecting a destination from the address book

Follow the procedure described below to send data by selecting a recipient from the already registered destinations.

For details on registering destinations, refer to "Registering an address book destination" on page 3-10.

1 Press the [Fax/Scan] key in the control panel.

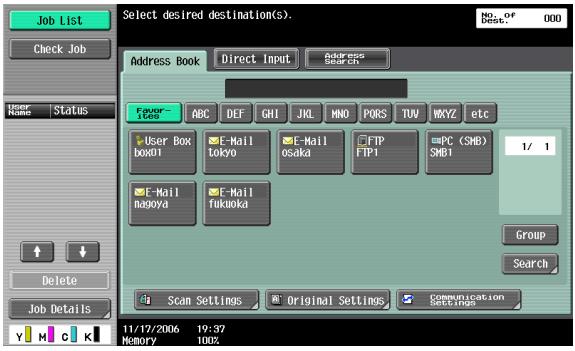
The Fax/Scan mode screen appears.



2 Touch [Address Book].

– The index appears if “Address Book Default” (displayed by touching [Custom Display Settings] on the User Settings screen, then [Fax/Scan Settings]) is set to “Index”. If “Address Type” is selected, the index of destination types is displayed.
– The corresponding address appears as the name of the registered destination when an index button is touched.

A list of registered destinations appears.



3 Touch a destination button to select the address.

– Multiple destinations can be specified at the same time.
– Additional destinations can be added by directly typing in the address.

The button appears selected, and the destination appears under “Broadcast Destinations”.

4 Touch [Scan Settings], [Original Settings] or [Communication Settings], and then specify the desired scan settings.

– For details on the scan settings, refer to “Specifying scan and transmission settings (Scan Settings/Original Settings/Communication Settings)” on page 2-75.

5 Load the document into the ADF or place it on the original glass.

6 If desired, press the [Proof Copy] key to check a preview image.

– For details, refer to “Sending after previewing” on page 2-20.

7 Press the [Start] key in the control panel.

Scanning of the document begins, and the data is sent.

Note

Do not turn off the machine until the scan job is deleted from the Job List screen.

Entering addresses directly

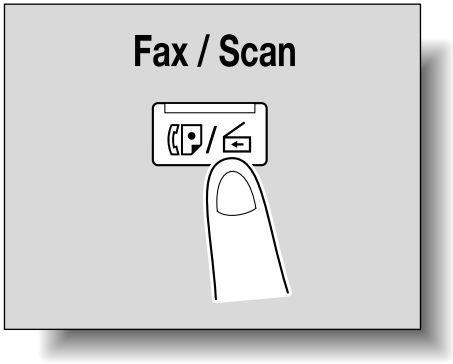
Using the control panel to directly type in the destination address when scanning is called “direct input”.

Settings can be specified for the following.

Parameter	Description
Host Name	Specify the host name (in uppercase letters) or IP address for the destination. Type using the keyboard that appears, and then touch [OK].
File Path	Type the path to the destination folder in uppercase letters.
User Name	Type in the user name used to log on, and then touch [OK].
Password	Specify the password. Type using the keyboard that appears, and then touch [OK].
Reference	Check the structure of the folders on the destination computer. This can be used to directly specify the destination folder.

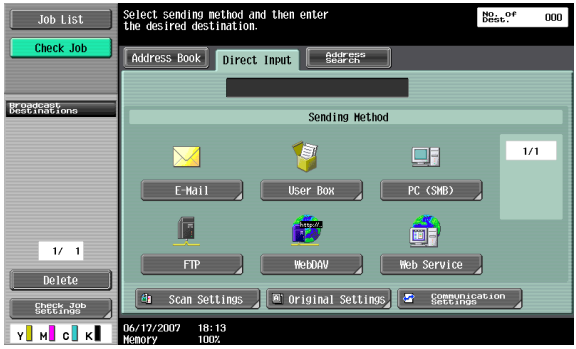
1 Press the [Fax/Scan] key in the control panel.

The Fax/Scan mode screen appears.



2 Touch [PC (SMB)] on the Direct Input screen.

A screen appears, allowing you to type in the host name for the destination and the file path.

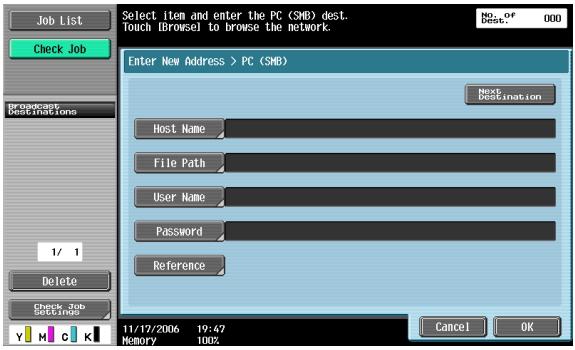


? Why is the Direct Input tab not displayed?

➔ If the “Manual Destination Input” (displayed by touching [Security Settings] on the Administrator Settings screen, then [Security Details]) is set to “Restrict”, the Direct Input tab does not appear.

3 Enter the information for the destination, and then touch [OK].

– To check the contents of the shared folders, and then touch [Reference].



– To specify an additional address, touch [Next Destination], and then enter the information.

The entered addresses appear under “Broadcast Destinations”.

4 Touch [Scan Settings], [Original Settings] or [Communication Settings], and then specify the desired scan settings.

– For details on the scan settings, refer to “Specifying scan and transmission settings (Scan Settings/Original Settings/Communication Settings)” on page 2-75.

5 Load the document into the ADF or place it on the original glass.

6 If desired, press the [Proof Copy] key to check a preview image.

– For details, refer to “Sending after previewing” on page 2-20.

7 Press the [Start] key in the control panel.

Scanning of the document begins, and the data is sent.

Note

Do not turn off the machine until the scan job is deleted from the Job List screen.

Detail

If the computers or workgroups on the network (subnet) that this machine belongs to is more than the numbers listed below, browsing over the network may not be performed correctly.
Workgroups: 128
Computers: 128

Also, browsing is not available in the IPv6 environment.

2.8 Sending data to a server (Scan to FTP)

Scan to FTP

The Scan to FTP operation can be used in a network environment that contains an FTP server. The scan data can be sent to a folder specified on an FTP server on the network.

This is suitable for transmitting large-sized data, such as high-resolution data.

Destinations can be selected using any of the following methods. In addition, the methods can be combined, for example, by selecting a recipient from a group destination, then adding other destinations through direct input.

Transmission may not be possible if the document name is too long according to the destination server conditions. Since the scanning settings are used, consult your network administrator when specifying the document name.

Destinations can be selected for Scan to FTP operations using any of the following methods. For details, refer to the corresponding section.

Selection method	Page reference
Selecting from the address book	p. 2-58
Entering addresses directly	p. 2-60
Selecting a group destination	p. 2-38
Selecting a destination that was searched for	p. 2-43

Detail

If a mail server is available in the network environment, the e-mail notification function can be used to send notifications that job are completed. For details on the e-mail notification function, refer to "URL Notification Setting" on page 2-126.

If a proxy server is available in the network environment, an FTP server on the Internet can be accessed through the proxy server.

For an overview of the Scan to FTP operation, refer to "Scan to FTP" on page 1-4.

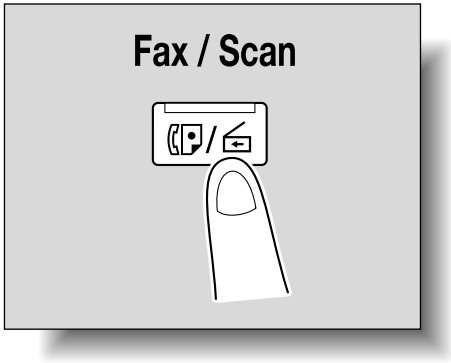
Selecting a destination from the address book

Follow the procedure described below to send data by selecting a recipient from the already registered destinations.

For details on registering destinations, refer to “Registering an address book destination” on page 3-10.

1 Press the [Fax/Scan] key in the control panel.

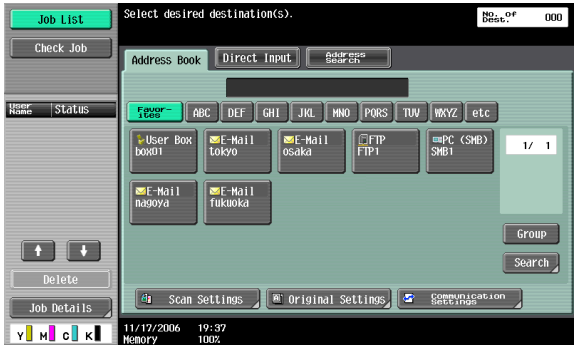
The Fax/Scan mode screen appears.



2 Touch [Address Book].

- The index appears if “Address Book Default” (displayed by touching [Custom Display Settings] on the User Settings screen, then [Fax/Scan Settings]) is set to “Index”. If “Address Type” is selected, the index of destination types is displayed.
- The corresponding address appears as the name of the registered destination when an index button is touched.

A list of registered destinations appears.

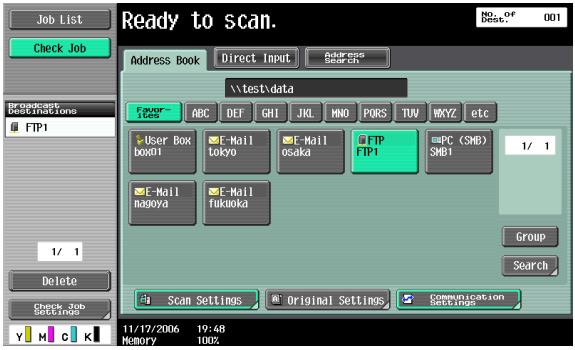


3 Touch a destination button to select the address.

- Multiple destinations can be specified at the same time.

– Additional destinations can be added by directly typing in the address.

The button appears selected, and the destination appears under “Broadcast Destinations”.



4 Touch [Scan Settings], [Original Settings] or [Communication Settings], and then specify the desired scan settings.

– For details on the scan settings, refer to “Specifying scan and transmission settings (Scan Settings/Original Settings/Communication Settings)” on page 2-75.

5 Load the document into the ADF or place it on the original glass.

6 If desired, press the [Proof Copy] key to check a preview image.

– For details, refer to “Sending after previewing” on page 2-20.

7 Press the [Start] key in the control panel.

Scanning of the document begins, and the data is sent.

...

Note

Do not turn off the machine until the scan job is deleted from the Job List screen.

Entering addresses directly

Using the control panel to directly type in the destination address when scanning is called “direct input”.

Settings can be specified for the following.

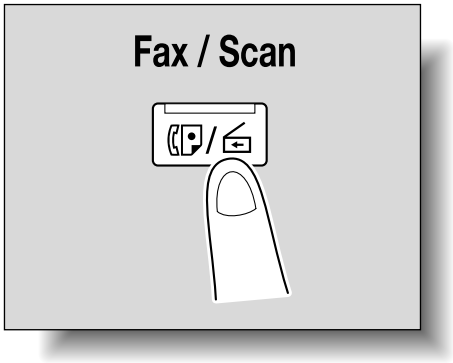
Parameter	Description
Host Name	Specify the host name or IP address for the destination. Type using the keyboard that appears, and then touch [OK].
File Path	Specify the path to the destination folder. Type using the keyboard that appears, and then touch [OK].
User Name	Type in the user name used to log on, and then touch [OK].
Password	Specify the password. Type using the keyboard that appears, and then touch [OK].

Detailed Settings

Parameter	Description
Port Number	Type in the port number.
PASV	Select whether or not the PASV (passive) mode is used. Touch [Yes] or [No].
Proxy	Select whether or not a proxy server is used. Touch [Yes] or [No].

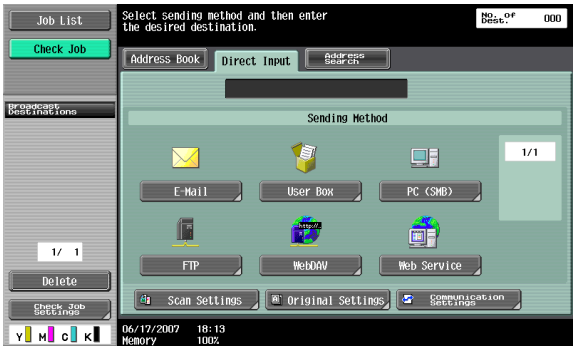
1 Press the [Fax/Scan] key in the control panel.

The Fax/Scan mode screen appears.



2 Touch [FTP] on the Direct Input screen.

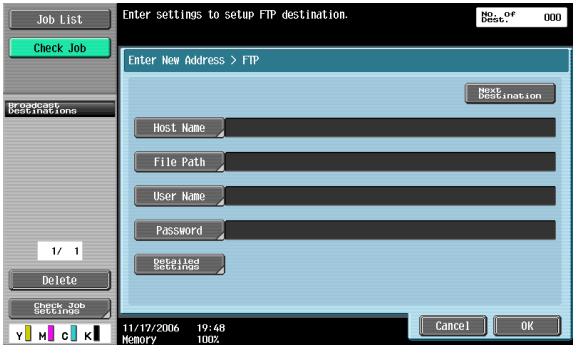
A screen appears, allowing you to type in the host name for the destination and the file path.



? Why is the Direct Input tab not displayed?

➔ If the “Manual Destination Input” (displayed by touching [Security Settings] on the Administrator Settings screen, then [Security Details]) is set to “Restrict”, the Direct Input tab does not appear.

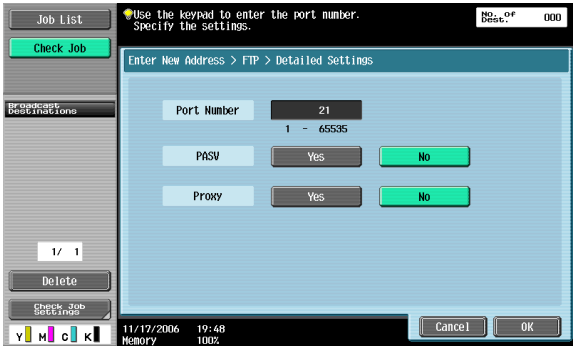
3 Type in the destination information.



– To specify an additional address, touch [Next Destination], and then enter the information.

The entered addresses appear under “Broadcast Destinations”.

4 To specify advanced settings, touch [Detailed Settings], and then specify the settings.



5 Touch [OK], and then touch [OK] in the next screen that appears.

6 Touch [Scan Settings], [Original Settings] or [Communication Settings], and then specify the desired scan settings.

– For details on the scan settings, refer to “Specifying scan and transmission settings (Scan Settings/Original Settings/Communication Settings)” on page 2-75.

7 Load the document into the ADF or place it on the original glass.

8 If desired, press the [Proof Copy] key to check a preview image.

– For details, refer to “Sending after previewing” on page 2-20.

9 Press the [Start] key in the control panel.

Scanning of the document begins, and the data is sent.

...

Note

Do not turn off the machine until the scan job is deleted from the Job List screen.

2.9 Sending data to a server (WebDAV)

WebDAV

The WebDAV operation can be used in a network environment that contains a server compatible with WebDAV. The scan data can be sent to a folder specified on the server of the network.

Destinations can be selected using any of the following methods. In addition, the methods can be combined, for example, by selecting a recipient from a group destination, then adding other destinations through direct input.

Transmission may not be possible if the document name is too long according to the destination server conditions. Since the document name is used during transmission, consult your network administrator when specifying the document name.

Destinations can be selected for WebDAV operations using any of the following methods. For details, refer to the corresponding section.

Selection method	Page reference
Selecting from the address book	p. 2-58
Entering addresses directly	p. 2-60
Selecting a group destination	p. 2-38
Selecting a destination that was searched for	p. 2-43

Detail

If a mail server is available in the network environment, the e-mail notification function can be used to send notifications that jobs are completed. For details, refer to "URL Notification Setting" on page 2-126.

If a proxy server is available in the network environment, a WebDAV server on the Internet can be accessed through the proxy server.

For an overview of WebDAV transmissions, refer to "Scan to WebDAV" on page 1-7.

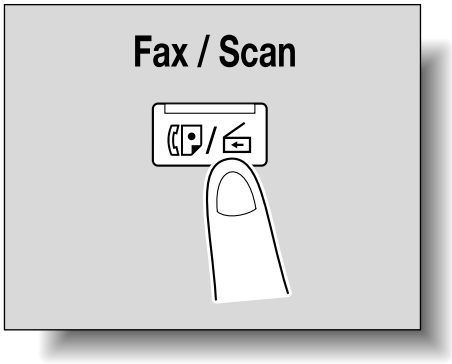
Selecting a destination from the address book

Follow the procedure described below to send data by selecting a recipient from the already registered destinations.

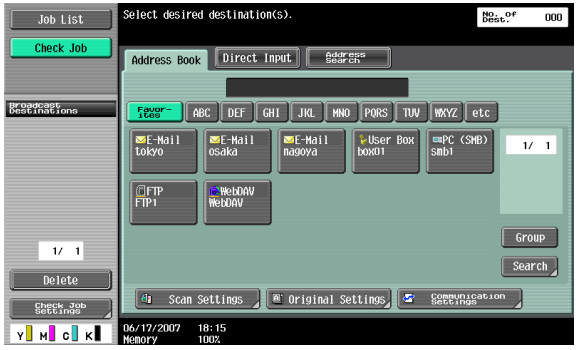
For details on registering destinations, refer to “Registering an address book destination” on page 3-10.

1 Press the [Fax/Scan] key in the control panel.

The Fax/Scan mode screen appears.



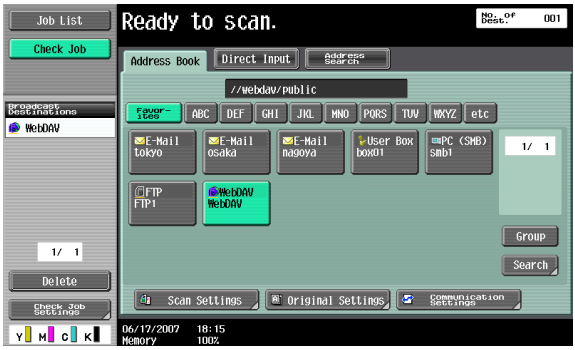
2 Touch [Address Book].
A list of registered destinations appears.



- The index appears if “Address Book Default” (displayed by touching [Custom Display Settings] on the User Settings screen, then [Fax/Scan Settings]) is set to “Index”. If “Address Type” is selected, the index of destination types is displayed.
- The corresponding address appears as the name of the registered destination when an index button is touched.

3 Touch a destination button to select the address.
The button appears selected, and the destination appears under “Broadcast Destinations”.

– Multiple destinations can be specified at the same time.



– Additional destinations can be added by directly typing in the address.

4 Touch [Scan Settings], [Original Settings] or [Communication Settings], and then specify the desired scan settings.

– For details on the scan settings, refer to “Specifying scan and transmission settings (Scan Settings/Original Settings/Communication Settings)” on page 2-75.

5 Load the document into the ADF or place it on the original glass.

6 If desired, press the [Proof Copy] key to check a preview image.

– For details, refer to “Sending after previewing” on page 2-20.

7 Press the [Start] key in the control panel.

Scanning of the document begins, and the data is sent.

Note

Do not turn off the machine until the scan job is deleted from the Job List screen.

Entering addresses directly

Using the control panel to directly type in the destination address when scanning is called “direct input”.

Settings can be specified for the following.

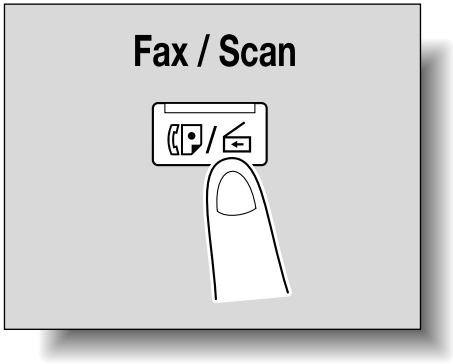
Parameter	Description
Host Name	Specify the host name or IP address for the destination. Type using the keyboard that appears, and then touch [OK].
File Path	Specify the path to the destination folder. Type using the keyboard that appears, and then touch [OK].
User Name	Type in the user name used to log on, and then touch [OK].
Password	Specify the password. Type using the keyboard that appears, and then touch [OK].

Detailed Settings

Parameter	Description
Port Number	Type in the port number.
Proxy	Select whether or not a proxy server is used.
SSL Settings	Select whether or not SSL is used with transmissions.

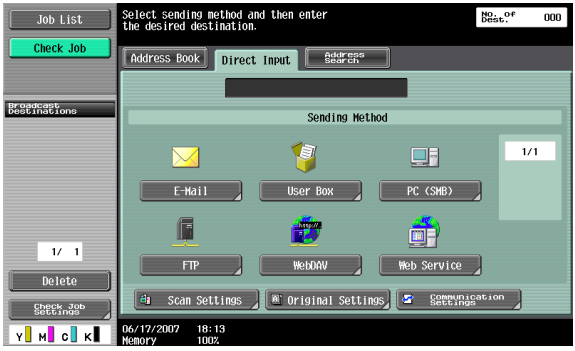
1 Press the [Fax/Scan] key in the control panel.

The Fax/Scan mode screen appears.

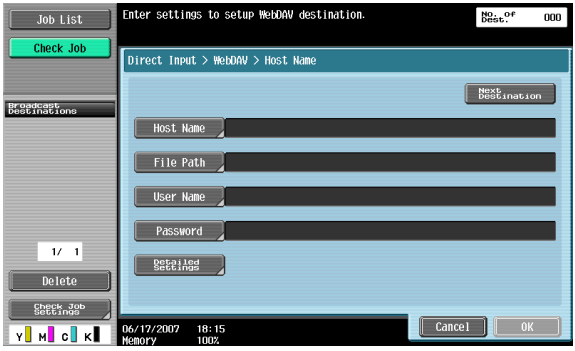


2 Touch [WebDAV] on the Direct Input tab.

A screen appears, allowing you to type in the host name for the destination and the file path.



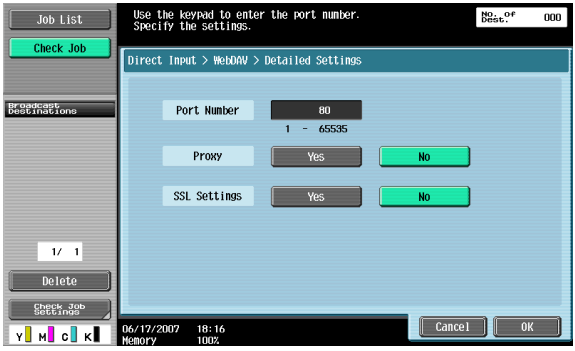
3 Type in the destination information.



The entered addresses appear under “Broadcast Destinations”.

To specify an additional address, touch [Next Destination], and then enter the information.

4 To specify advanced settings, touch [Detailed Settings], and then specify the settings.



5 Touch [OK], and then touch [OK] in the next screen that appears.

6 Touch [Scan Settings], [Original Settings] or [Communication Settings], and then specify the desired scan settings.

– For details on the scan settings, refer to “Specifying scan and transmission settings (Scan Settings/Original Settings/Communication Settings)” on page 2-75.

7 Load the document into the ADF or place it on the original glass.

8 If desired, press the [Proof Copy] key to check a preview image.

– For details, refer to “Sending after previewing” on page 2-20.

9 Press the [Start] key in the control panel.

Scanning of the document begins, and the data is sent.

...

Note

Do not turn off the machine until the scan job is deleted from the Job List screen.

2.10 Using Web Service

The scan command can be sent from a computer (Windows Vista) on the network, or this machine can scan using the specified operation and the scan data can be sent to the computer. Two methods are available for scanning with Web Service: the scanning method can be selected from the control panel of the machine and the scan data sent to the computer, or the scan command can be sent from the computer.

Detail

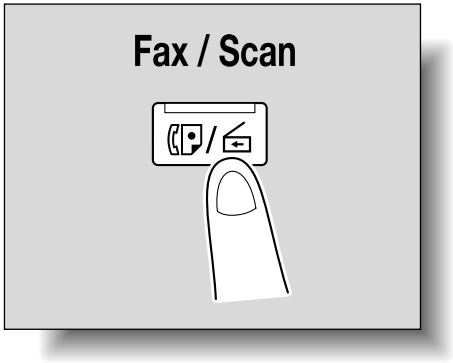
For details on the settings that must be specified in advance, refer to "Using Web services" on page 1-13.

Specifying the scan command from the control panel of the machine

The scan data will be sent to a previously registered network computer.

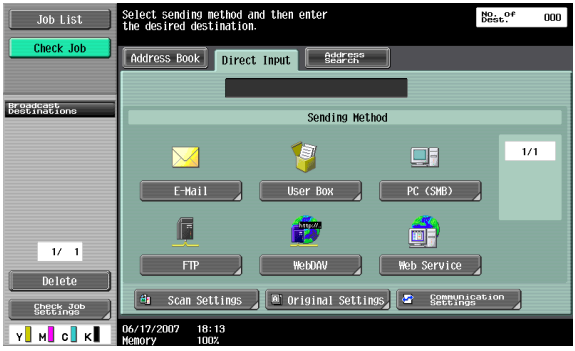
1 Press the [Fax/Scan] key in the control panel.

The Fax/Scan mode screen appears.

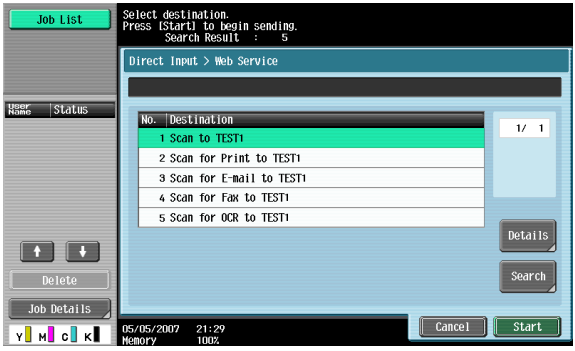


2 Touch [Web Service] on the Direct Input tab.

Network computers where this machine is registered as a Web Service scanner appear as destinations.



3 Select the desired destination, and then touch [Start].



Scanning of the document begins, and the data is sent to the computer.

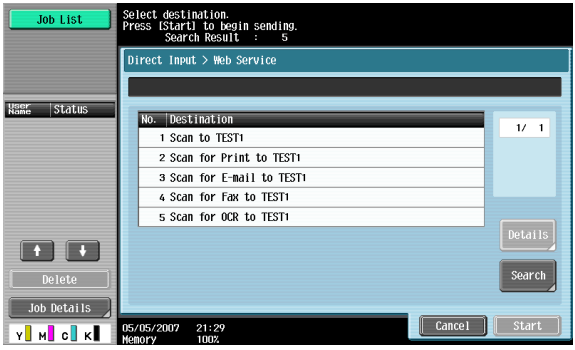
Checking the Web Service destinations

Select a destination, and then touch [Details] to display the destination details.

Searching for a Web Service destination

A destination can be searched for by typing in a keyword that is contained in the destination name.

1 Touch [Search] on the Web Service screen.



2 Type in the keyword to be searched for, and then touch [OK] to search for corresponding destinations.

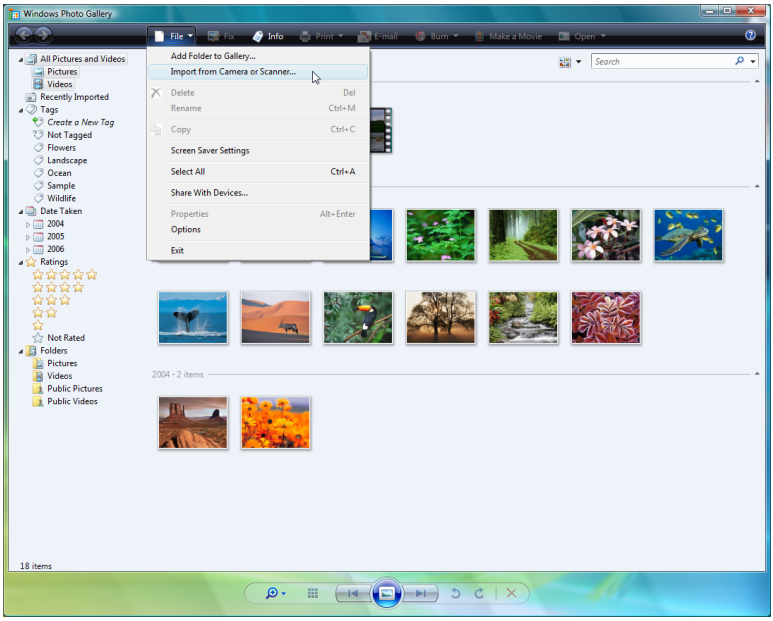
Giving a scan command from a computer

It is possible to give a scan command from the computer to the machine and receive scanned data.

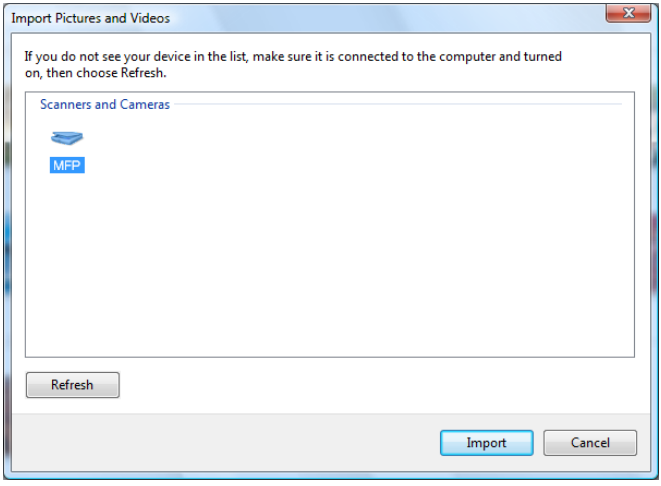
This section describes the procedure for scanning from the Windows photo gallery for example.

1 Start application software capable of scanning.

2 Select [Import from Camera or Scanner] from the “File” menu.



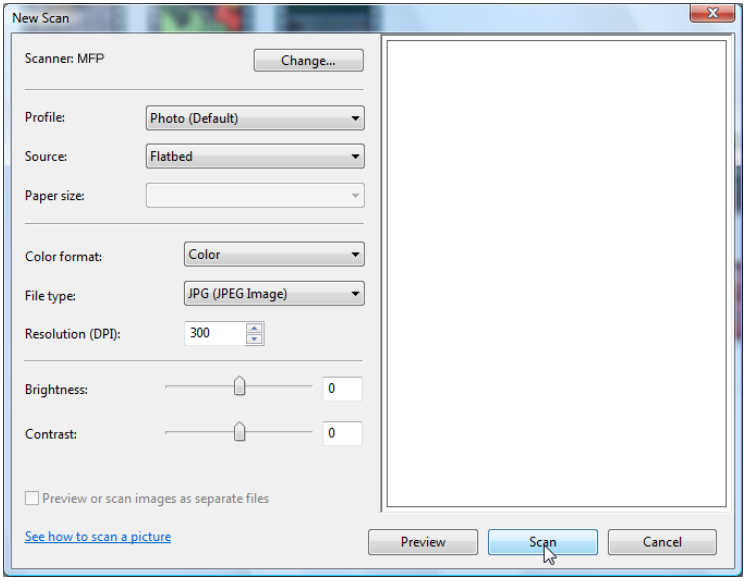
3 Select this machine from the list of “Scanners and Cameras”, and then click the [Import] button.


Import Pictures and Videos
If you do not see your device in the list, make sure it is connected to the computer and turned on, then choose Refresh.
Scanners and Cameras
MFP
Refresh
Import
Cancel

The New Scan screen starts.

4 Place the original in the machine.

5 Specify the scanning settings, and then click the [Scan] button.



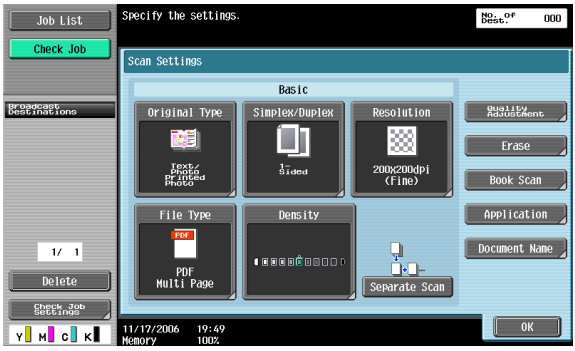
6 Enter a file name in the “Tag these pictures (optional)” field, and then click the [Import] button.

Now scanning is performed and scanned data are added to the list of images.

2.11 Specifying scan and transmission settings (Scan Settings/Original Settings/Communication Settings)

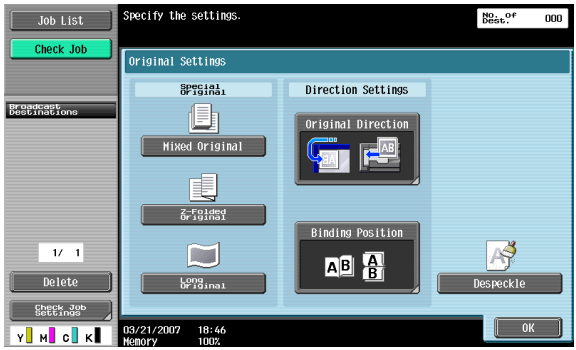
Settings that can be specified

In the Fax/Scan mode screen, touch [Scan Settings], [Original Settings] or [Communication Settings] to specify detailed settings for scanning and sending. Settings can be specified for the following.



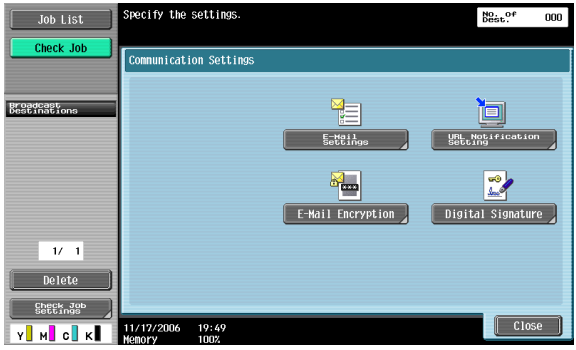
Scan Settings

Parameter	Description	Page reference
Original Type	Select the quality of the document to be scanned.	p. 2-77
Simplex/Duplex	Select whether a single-sided or double-sided document is to be scanned.	p. 2-79
Resolution	Select the resolution for scanning.	p. 2-80
File Type	Select the file format for the scan data to be saved.	p. 2-81
Density	Select the density for scanning.	p. 2-85
Separate Scan	The scan operation can be divided into several sessions when all pages of a document cannot be loaded into the ADF or when placing the document on the original glass.	p. 2-87
Quality Adjustment	Adjust the image quality, such as the background, color and sharpness.	p. 2-87
Erase	Specify settings for the “Erase” function.	p. 2-92
Book Scan	Set the “Book Scanning” function.	p. 2-94
Application	Specify settings for the scan size, filing numbers, etc.	p. 2-100
Document Name	Specify the name that the document is saved with.	p. 2-120



Original Settings

Parameter	Description	Page reference
Mixed Original	Select this setting when loading a document containing different page sizes.	p. 2-121
Z-Folded Original	Select this setting when loading a zigzag-folded document.	p. 2-121
Long Original	Select this setting for documents that are longer than the standard size.	p. 2-121
Original Direction	Select the orientation of the loaded document.	p. 2-121
Binding Position	Select the binding position for the document.	p. 2-121
Despeckle	Select this setting to reduce the effect that dust on the left partition glass has on images when the document is loaded into the ADF.	p. 2-121



Communication Settings

Parameter	Description	Page reference
E-Mail Setting	Specify the document name, subject, From address and message body for sending e-mail messages.	p. 2-124
URL Notification Setting	Specify the e-mail address where notifications of completion of the job are to be sent.	p. 2-126
E-Mail Encryption	This parameter appears when “S/MIME Communication Settings” is set to “ON”. Select whether or not to encrypt e-mail messages that are sent.	p. 2-127
Digital Signature	This parameter appears when “S/MIME Communication Settings” is set to “ON”. Select whether or not to add a digital signature to e-mail messages that are sent.	p. 2-128

Detail

For details on the “S/MIME Communication Settings” parameter, refer to “S/MIME Communication Settings” on page 4-91.

The “Digital Signature” parameter may not be available or may be set to normally sign, depending on the specified S/MIME communication settings.

Original Type

From the following five image quality settings, select the appropriate setting according to the type of document being scanned.

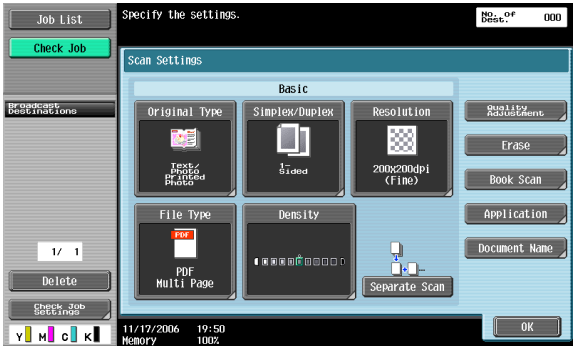
Setting	Description
Text	Select this setting for documents consisting only of text.
Text/Photo	Select this setting for documents consisting of both text and photos (halftones).
Photo	Select this setting for documents consisting of only photos (halftones).
Dot Matrix Original	Select this setting for documents consisting of text that generally appears faint.
Copied Paper	Select this setting for documents with an even density produced using a copier or printer.

If “Text/Photo” or “Photo” is selected, the photo type can also be selected.

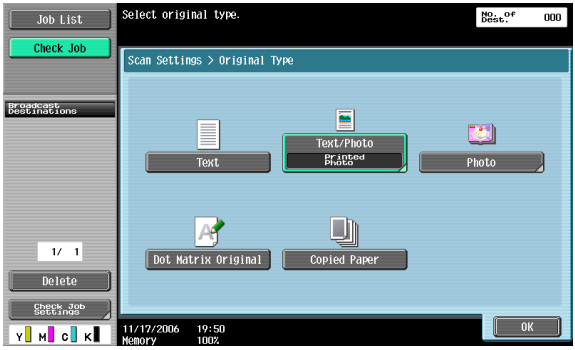
Setting	Description
Photo Paper	Select this setting for photos printed on photo paper.
Printed Photo	Select this setting for printed photos, such as in books or magazines.

1 Touch [Scan Settings] in the Fax/Scan mode screen.

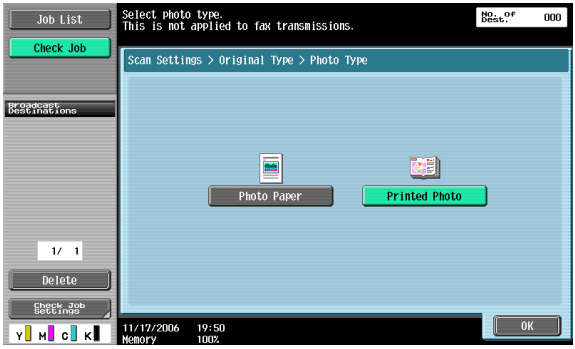
2 Touch [Original Type].



3 Touch the button for the image quality.



4 If “Text/Photo”or “Photo” is selected, select the photo type, and then touch [OK].



5 Touch [OK], and then touch [OK] in the next screen that appears.

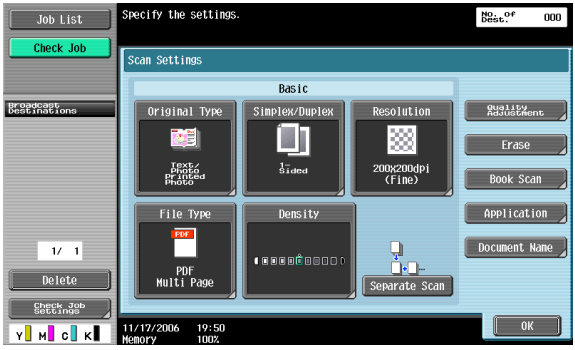
Simplex/Duplex

Select whether a single-sided or double-sided document is to be scanned.

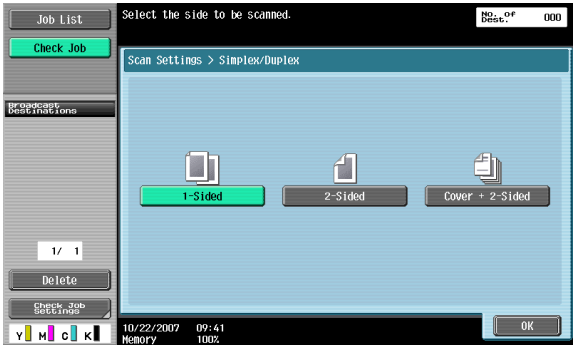
Setting	Description
1-Sided	Select this setting to scan a single-sided document.
2-Sided	Select this setting to scan a double-sided document.
Cover + 2-Sided	Select this setting to scan the first page of the document as a single-sided cover page, then scan the remaining pages as double-sided.

1 Touch [Scan Settings] in the Fax/Scan mode screen.

2 Touch [Simplex/Duplex].



3 Select the scanning type.



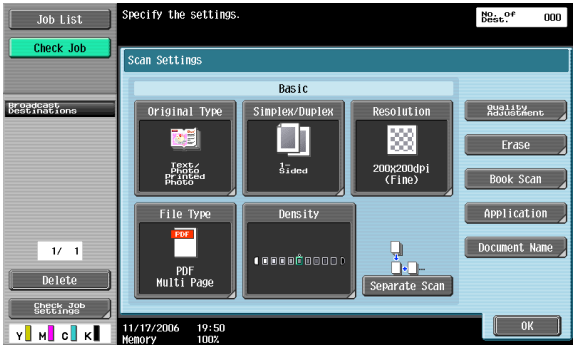
4 Touch [OK], and then touch [OK] in the next screen that appears.

Resolution

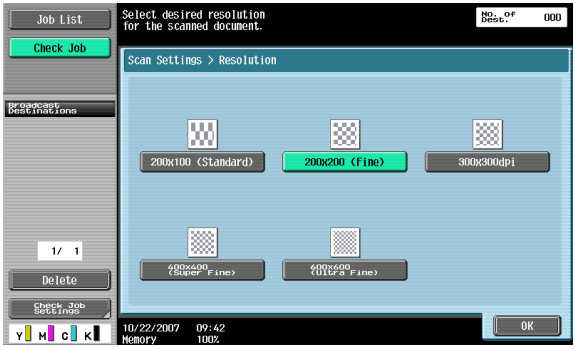
Select the resolution for scanning.

1 Touch [Scan Settings] in the Fax/Scan mode screen.

2 Touch [Resolution].



3 Select the resolution.



4 Touch [OK], and then touch [OK] in the next screen that appears.

File Type

Select the file format for saving the scan data. The following six file formats are available.

File Type

Setting	Description
PDF	Select this setting to save the data in the PDF format.
Compact PDF	Select this setting to save the data in a highly compressed PDF format.
TIFF	Select this setting to save data in the TIFF format.
JPEG	Select this setting to save the data in the JPEG format.
XPS	Select this setting to save the data in the XPS format.
Compact XPS	Select this setting to compress the data more than the XPS format and save.

Note

The compression format can be specified when saving a TIFF file in color. For details, refer to "Color TIFF Type" on page 3-55.

If "JPEG" is selected, "Single Page" is selected automatically for page setting.

Some File Type settings may not be available, depending on the selected Color setting. The possible combinations of the File Type and Color settings are shown below.

	Auto Color	Full Color	Grayscale	Black
PDF	○	○	○	○
Compact PDF	○	○	○	×
TIFF	○	○	○	○
JPEG	○	○	○	×
XPS	○	○	○	○
Compact XPS	○	○	○	×

If the "PDF" or "Compact PDF" File Type setting is selected, the encryption level and stamp combination method can be specified.

Encryption settings

Parameter	Description
Encryption Level	Select the encryption level.

Parameter	Description
Password	Enter the password necessary to open encrypted data. Type in a password of 32 characters or less. For confirmation, type in the password again.
Document Permissions	Enter the password necessary to change document permissions. Type in a password of 32 characters or less. For confirmation, type in the password again.

Detail Settings of Encryption

If document permissions are specified from the Encryption screen, detailed permission settings can be specified.

Parameter	Description
Printing Allowed	Select whether or not to allow printing of the data. If “Encryption Level” is set to “High level”, “Low Resolution” appears.
Enable copying of text, images and other content	Select whether or not to allow text and images to be extracted.
Change Allowed	Select the permission level for document editing, such as signing, entering text and annotating the data.

Stamp Composition

Setting	Description
Image	Select this setting to insert the text as an image.
Text	Select this setting to insert the text as text.

Note

The date/time, page number and header/footer can be combined as text.

Stamps are combined as images.

In addition, the grouping of the saved data can be specified.

Scan Setting

Setting	Description
Single Page	Select this setting to create a single file for each page of the document.
Multi Page	Select this setting to create a single file from the entire scanned document. This setting cannot be selected if the “JPEG” File Type setting is selected.

Detail

For details on specifying the Color setting, refer to "Color (Quality Adjustment)" on page 2-87.

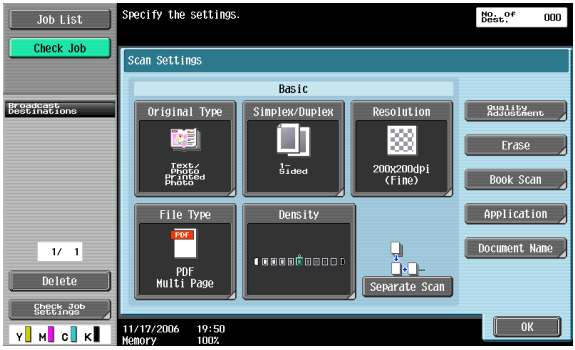
Note

Even if "Single Page" is selected when saving a document in a user box, the document is saved in "Multi Page". Pages can be specified when downloading data to a computer.

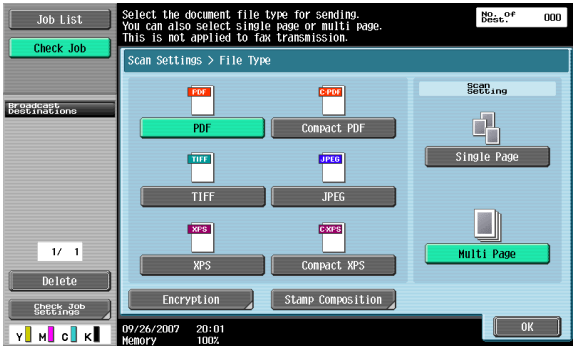
For details on downloading to a computer, refer to the User's Guide [PageScope Web Connection Operations].

1 Touch [Scan Settings] in the Fax/Scan mode screen.

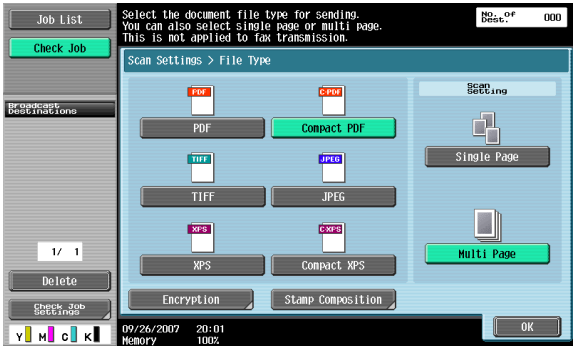
2 Touch [File Type].



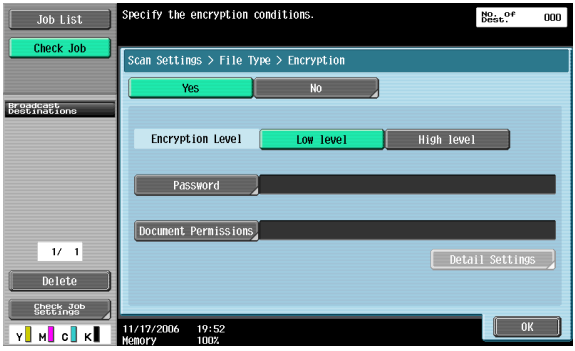
3 Select the file format.



4 If “PDF” or “Compact PDF” was selected, touch [Encryption], if necessary.

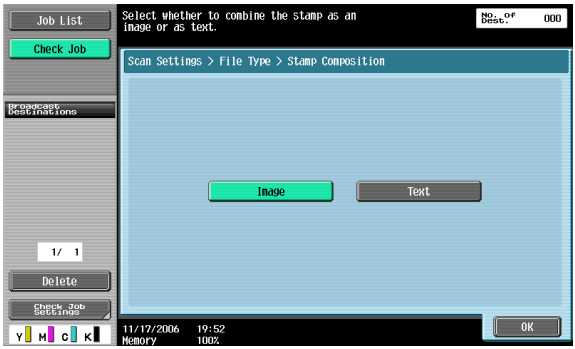


5 Specify the encryption settings.



6 To specify the stamp combination method, touch [Stamp Composition].

7 Select the desired stamp composition.



8 Touch [OK].

9 Select the scan setting.

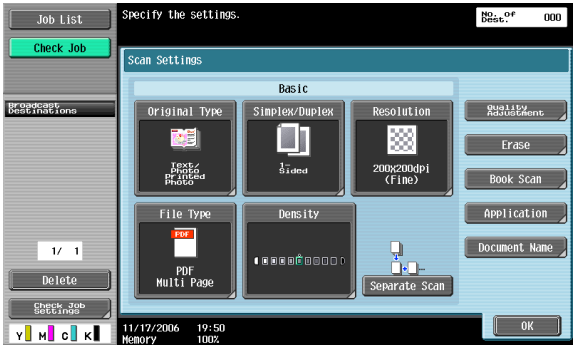
10 Touch [OK], and then touch [OK] in the next screen that appears.

Density

Adjust the density for scanning.

1 Touch [Scan Settings] in the Fax/Scan mode screen.

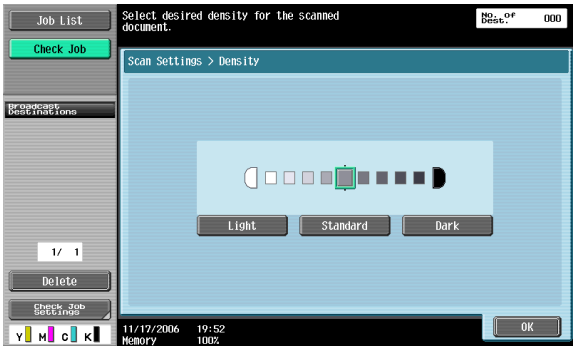
2 Touch [Density].



3 Select the density.

– To adjust the density, touch [Light] or [Dark].

– To select the default setting, touch [Standard].

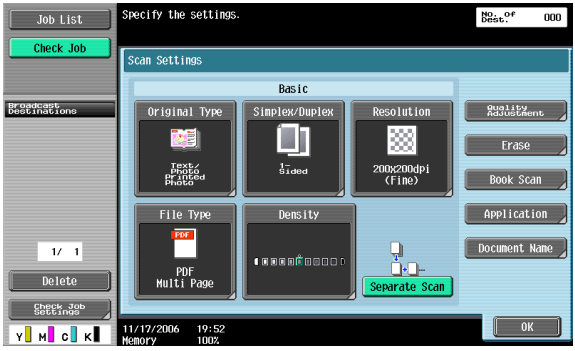


4 Touch [OK], and then touch [OK] in the next screen that appears.

Separate Scan

The scan operation can be divided into several sessions for various types of documents, for example, when all pages of a document cannot be loaded into the ADF, when placing the document on the original glass, or when single-sided documents are combined with double-sided documents.

Touch [Separate Scan] in the Fax/Scan mode screen. The setting is selected when the button appears selected.



Color (Quality Adjustment)

Select whether the document will be scanned in color or black and white.

The following four settings are available.

Setting	Description
Auto Color	Select this setting to automatically detect the color of the document and scan it with the corresponding setting.
Full Color	Select this setting to scan in full color.
Grayscale	Select this setting for documents with many halftones, such as in black-and-white photos.
Black	Select this setting for documents with distinct black and white areas, such as in line drawings.

Some Color settings may not be available, depending on the selected File Type setting. The possible combinations of the Color and File Type settings are shown below.

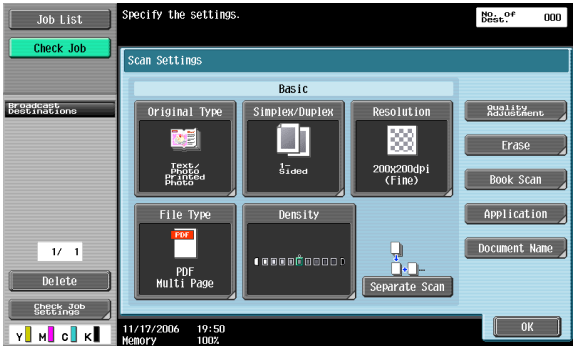
Detail

For details on specifying the File Type setting, refer to "File Type" on page 2-81.

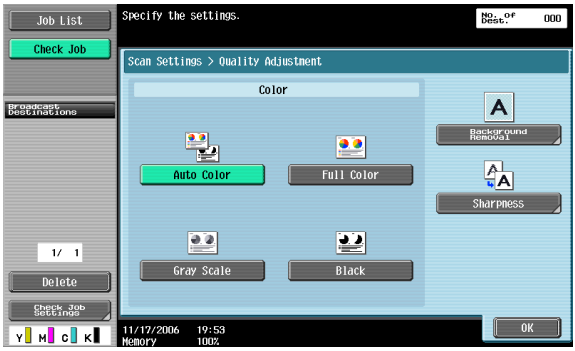
	Auto	Full Color	Grayscale	Black
PDF	○	○	○	○
Compact PDF	○	○	○	×
TIFF	○	○	○	○
JPEG	○	○	○	×
XPS	○	○	○	○
Compact XPS	○	○	○	×

1 Touch [Scan Settings] in the Fax/Scan mode screen.

2 Touch [Quality Adjustment].



3 Select the color type.



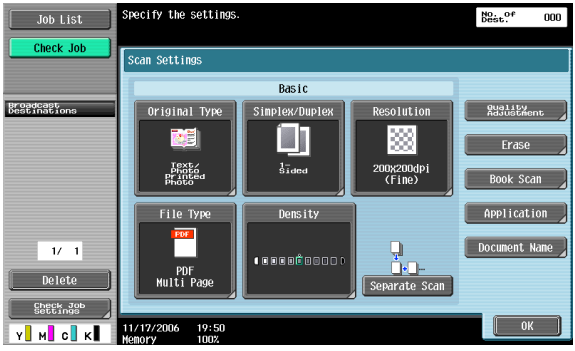
4 Touch [OK], and then touch [OK] in the next screen that appears.

Background Removal (Quality Adjustment)

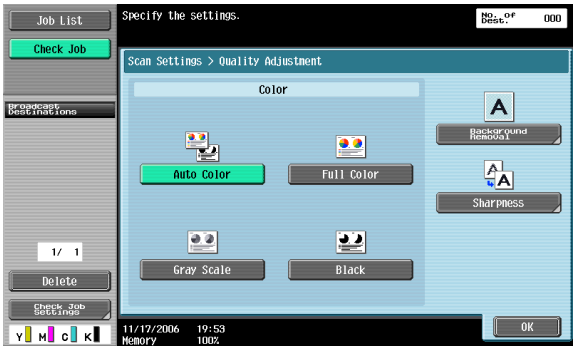
The scanning density of the document background can be adjusted. When documents printed on colored paper are scanned in color, the background may become black. In that case, the density of the background can be adjusted.

1 Touch [Scan Settings] in the Fax/Scan mode screen.

2 Touch [Quality Adjustment].

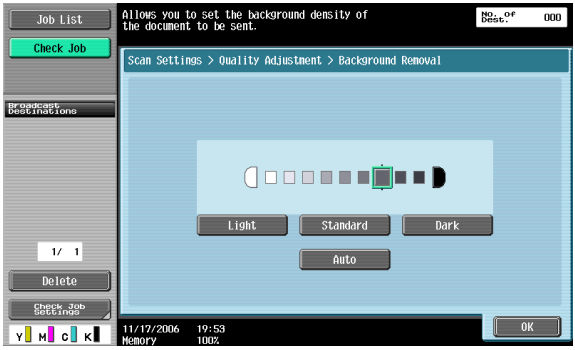


3 Touch [Background Removal].



4 Adjust the density of the background.

- To adjust the density automatically, touch [Auto].
- To adjust the density, touch [Light] or [Dark].
- To select the default setting, touch [Standard].



5 Touch [OK], and then touch [OK] in the next screen that appears.

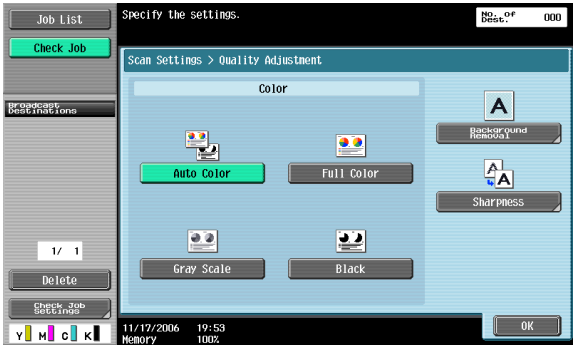
Sharpness (Quality Adjustment)

Contours, for example, the edges of text, can be emphasized when scanning.

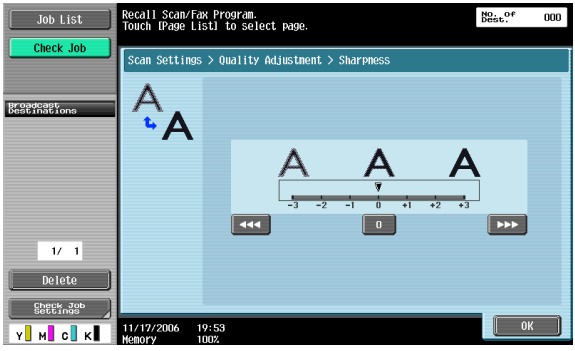
1 Touch [Scan Settings] in the Fax/Scan mode screen.

2 Touch [Quality Adjustment].

3 Touch [Sharpness].



4 Adjust the sharpness.



5 Touch [OK], and then touch [OK] in the next screen that appears.

Frame Erase (Erase)

An area around the edge of the document can be erased. Areas with a width of 1/16 to 2 inch (0.1 to 50.0 mm) can be specified separately for the left and right sides and the top and bottom.

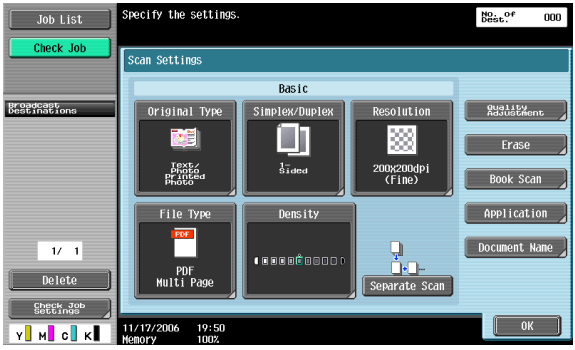
...

Note

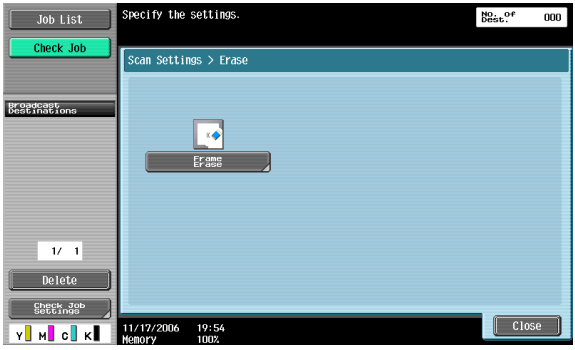
If a width to be erased around the document is specified with "Frame Erase" with the "Book Scanning" function, the same settings are also applied on the Frame Erase screen (displayed from the Erase screen).

1 Touch [Scan Settings] in the Fax/Scan mode screen.

2 Touch [Erase].

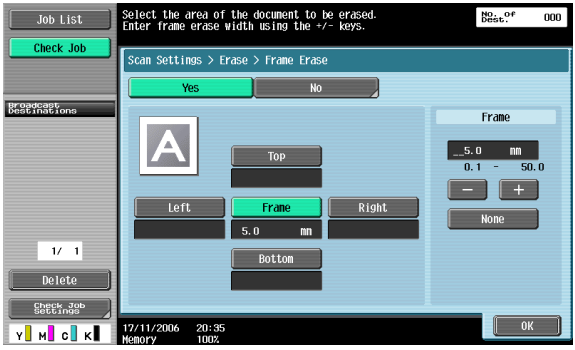


3 Touch [Frame Erase].

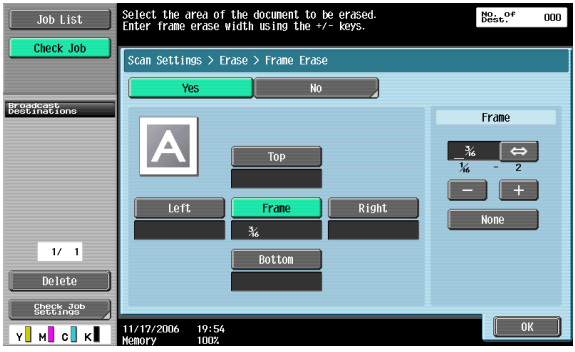


4 Select the width of the area to be erased.

- To use frame erasing, touch [Yes].
- To erase the same width on all sides, touch [Frame], and then specify a value.
- To specify different widths for the top, left, right and bottom, touch the button for the desired location, and then specify a value. To cancel frame erasing, touch [None].
  European model (Metric)



North American model (Inch)



5 Touch [OK], and then touch [OK] in the next two screens that appear.

Book Copy (Book Scan)

Select the method for scanning page spreads. The following four scanning methods are available. In addition, the binding position and erase settings can be specified.

Setting	Description
Book Spread	Select this setting to scan a page spread as a single page.
Separation	Select this setting to scan a page spread as two separate pages (left and right).
Front Cover	Select this setting to scan the first page as the front cover.
Front + Back Covers	Select this setting to scan the first page as the front cover, the second page as the back cover, and the remaining pages as the body.

The document can be scanned while erasing the shadows typical for page spreads.

Parameter	Description
Frame Erase	An area around the edge of the document can be erased. Areas with a width between 1/16 and 2 inches on the North American (inch) model (between 0.1 and 50.0 mm on the European (metric) model) can be specified separately for the left and right sides and the top and bottom.
Center Erase	An area along the center of the document can be erased. Areas with a width between 1/16 and 1-3/16 inches on the North American (inch) model (between 0.1 and 30.0 mm on the European (metric) model) can be specified.

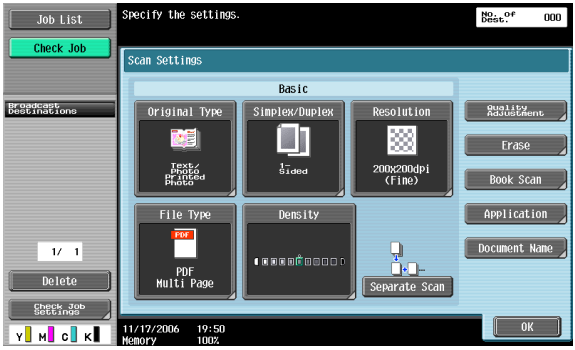
Note

Specify the size of the page spread as the scan size.

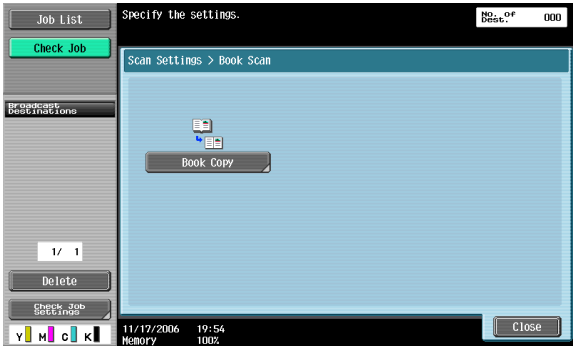
If a width to be erased around the document is specified with "Frame Erase" with the "Book Copy" function, the same settings are also applied on the Frame Erase screen (displayed from the Erase screen).

1 Touch [Scan Settings] in the Fax/Scan mode screen.

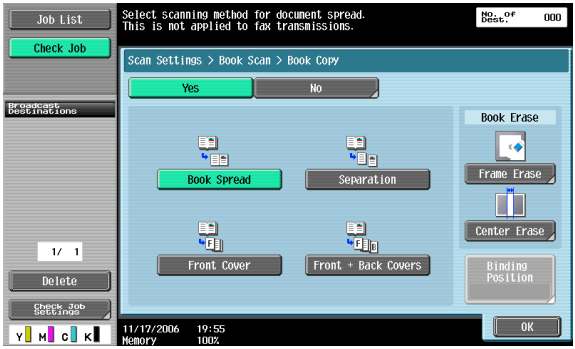
2 Touch [Book Scan].



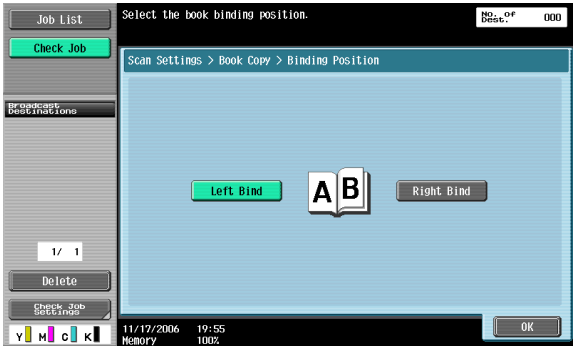
3 Touch [Book Copy].



4 Specify the settings for the “Book Copy” function.



– If “Separation”, “Front + Back Covers” or “Front Cover” was selected, touch [Binding Position], and then select the binding position.



5 Touch [OK], and then touch [OK] in the next two screens that appear.

Scan Size (Application)

Select the size of paper that is to be scanned.

The following Scan Size settings are available.

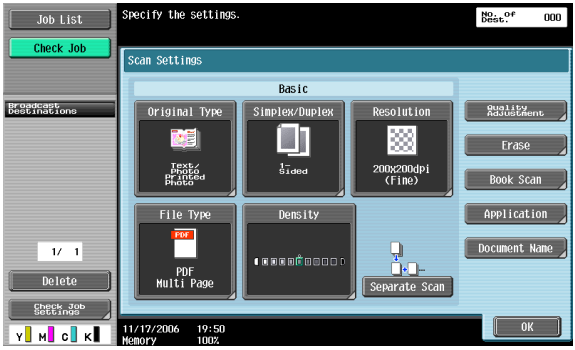
Setting	Description
Auto	Select this setting to detect the size of the first page in the loaded document. When the “Mixed Original” setting is not selected.
Standard sizes	Select a preset paper size (such as letter or 11 × 17 (A4 or B5)) and orientation.
Custom Size	Type in the dimensions of a custom size that is not available as a preset size. The size in the X direction can be set between 2 and 17 inch on the North American (inch) model (between 30 and 432 mm on the European (metric) model), and the size in the Y direction can be set between 2 and 11-11/16 inch on the North American (inch) model (between 30 and 297 mm on the European (metric) model).
Photo Size	2-1/4 × 3-1/4 and 3 × 5 inches on the North American (inch) model (9 × 13, 10 × 15, 13 × 18 on the European (metric) model) sizes can be selected.

Note

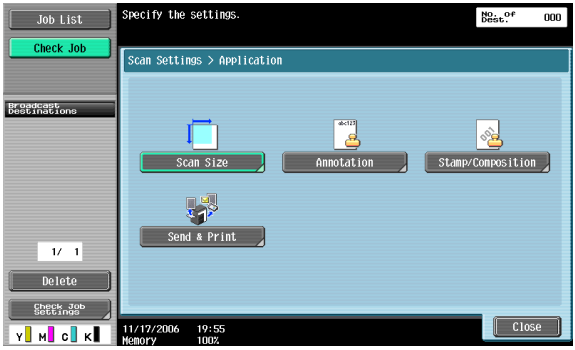
If the “Book Scanning” function was set, specify the size of the page spread.

1 Touch [Scan Settings] in the Fax/Scan mode screen.

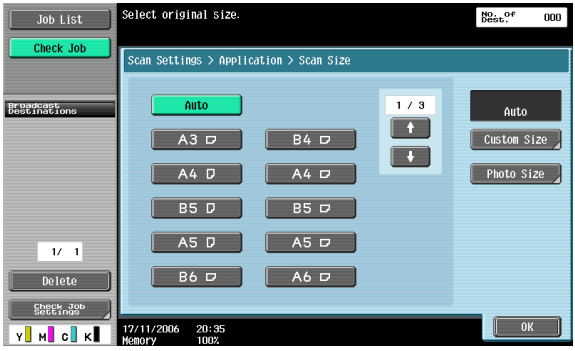
2 Touch [Application].



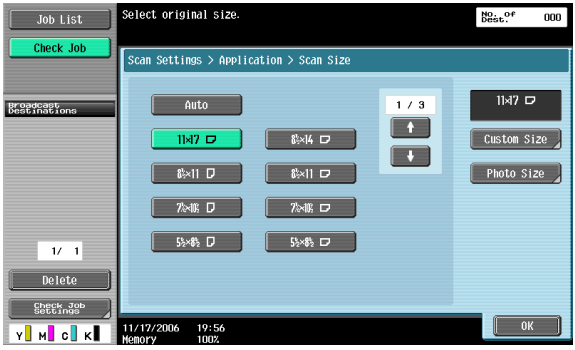
3 Touch [Scan Size].



4 Select the size and orientation.
European model (Metric)

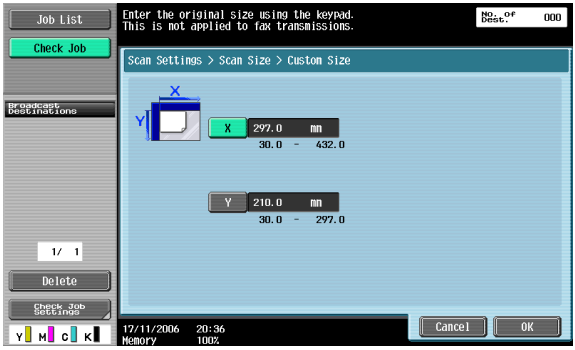


North American model (Inch)

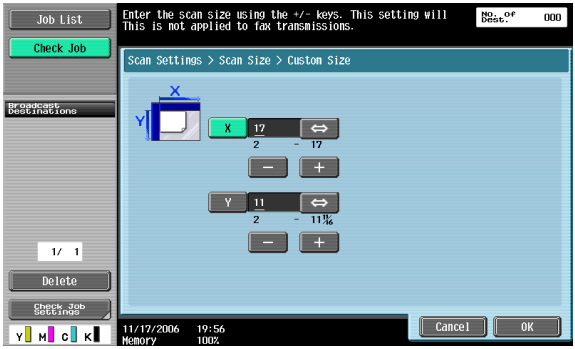


– Select the orientation and size of the paper to be scanned.
– Touching [Custom Size] displays the Custom Size screen. Use the keypad to type in the size, and then touch [OK].

– The values can be specified in 1/16 inch on the North American (inch) model (0.1 mm on the European (metric) model) increments.
European model (Metric)

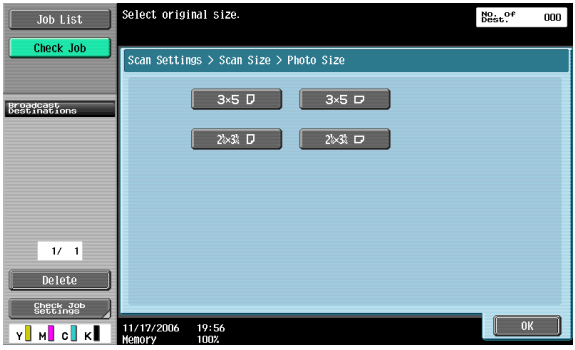


North American model (Inch)



– Touching [Photo Size] displays the Photo Size screen. Select the orientation and size of the photo to be scanned, and then touch [OK].
European model (Metric)

North American model (Inch)



5 Touch [OK], and then touch [OK] in the next two screens that appear.

Annotation (Application)

Previously specified text, numbers or the date/time can be added to a document when it is scanned and saved in a user box.

For details on saving documents and creating annotation user boxes, refer to the User's Guide [Box Operations].

Date/Time (Application)

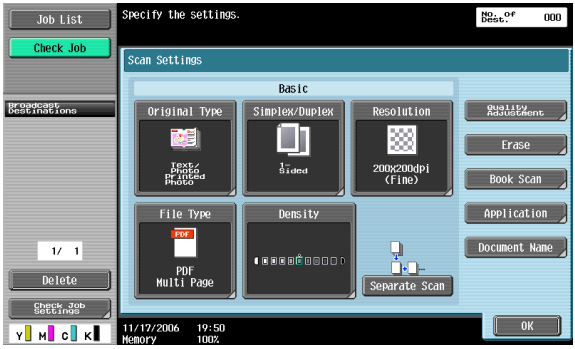
The scanning date and time can be added to all pages of a document.

Settings can be specified for the following.

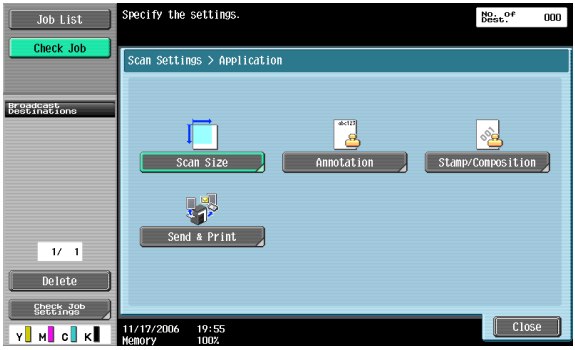
Parameter	Description
Date Format	Select the format for the date.
Time Format	Select the whether or not the time is added and select its format.
Pages	Select the pages to be printed on (either all pages or 1st page only).
Text Color	Select the printing color (black, red, blue, green, yellow, cyan and magenta).
Text Size	Select the size (8pt,10pt,12pt or 14pt) in which text is printed.
Print Position	Select the position within the page where the image is printed. After a position is selected, it can be finely adjusted.

1 Touch [Scan Settings] in the Fax/Scan mode screen.

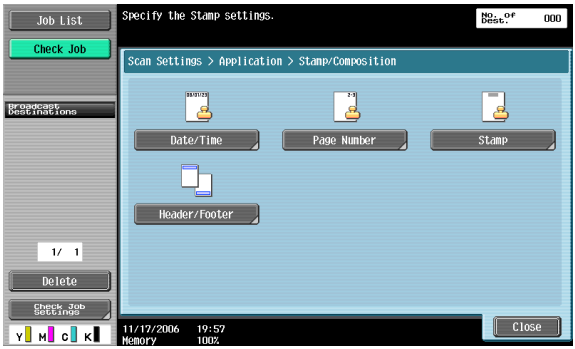
2 Touch [Application].



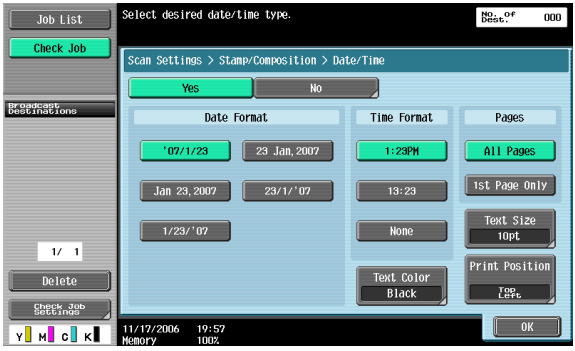
3 Touch [Stamp/Composition].



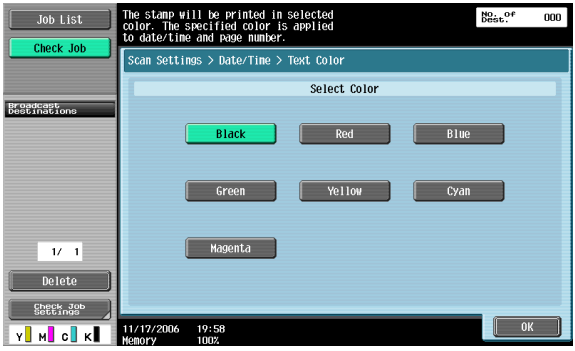
4 Touch [Date/Time].



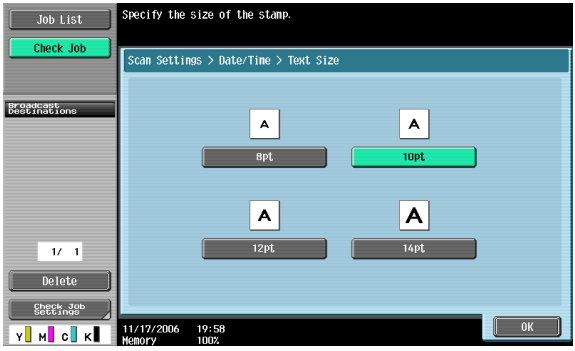
5 To specify a date and time, touch [Yes], and then specify the date and time settings.



– Touching [Text Color] displays a screen for specifying the color. Touch the button for the desired color, and then touch [OK].

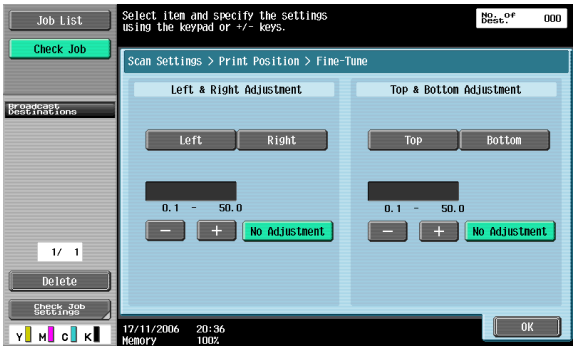


– Touching [Text Size] displays a screen for specifying the text size. Touch the button for the desired size, and then touch [OK].

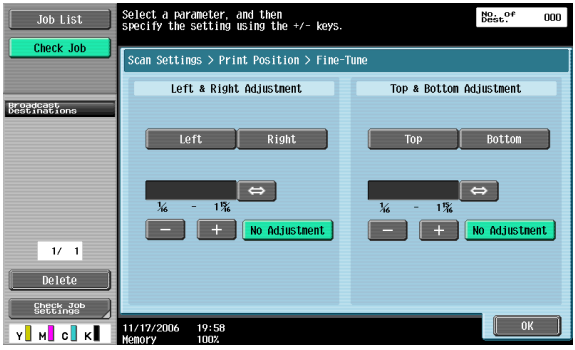


– Touching [Print Position] displays a screen for specifying the printing position. Touch the button for the desired printing position, and then make any fine adjustments, if necessary. After specifying the settings, touch [OK].
– To make fine adjustments, touch [Adjust Position].
The position can be adjusted between 0.1 and 50.0 mm in the left/right direction and the up/down direction.

European model (Metric)



North American model (Inch)



6 Touch [OK], and then touch [OK] in the next three screens that appear.

Page Number (Application)

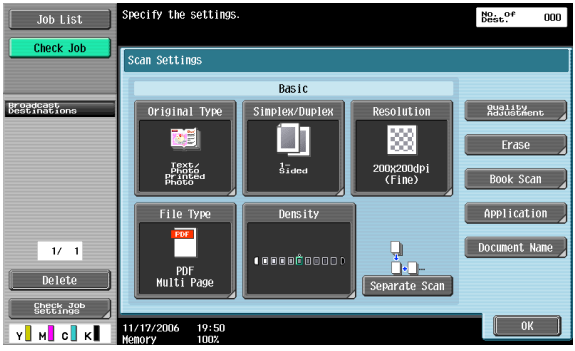
Page numbers can be added to all pages of the document.

Settings can be specified for the following.

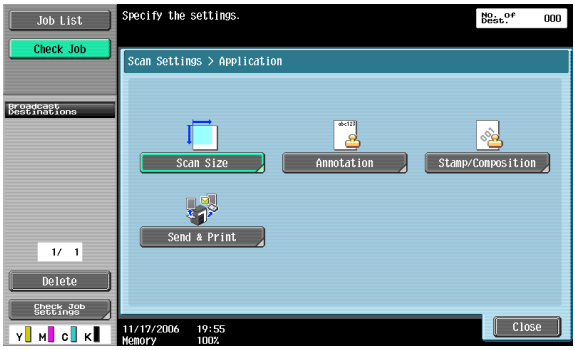
Parameter	Description
Starting Page Number	Specify the starting page number.
Starting Chapter Number	Specify the starting chapter number.
Page Number Type	Select the format for the page number.
Text Color	Select the printing color (black, red, blue, green, yellow, cyan and magenta).
Text Size	Select the size (8pt,10pt,12pt or 14pt) in which text is printed.
Print Position	Select the position within the page where the image is printed. After a position is selected, it can be finely adjusted.

1 Touch [Scan Settings] in the Fax/Scan mode screen.

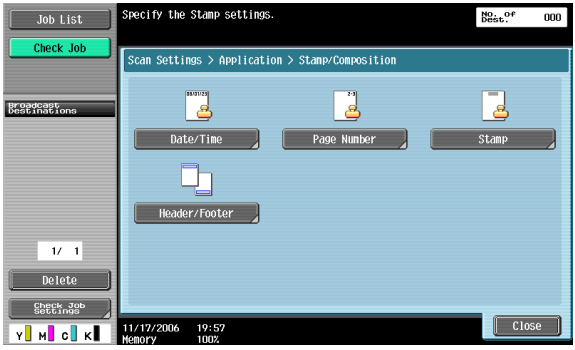
2 Touch [Application].



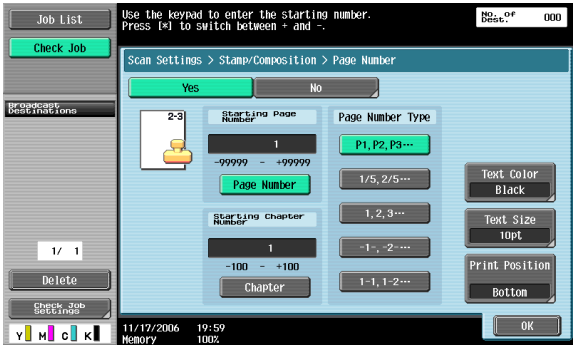
3 Touch [Stamp/Composition].



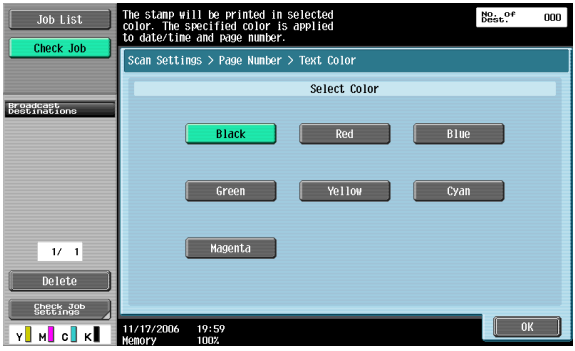
4 Touch [Page Number].



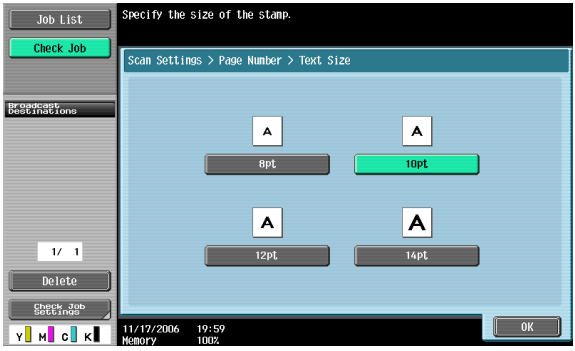
5 To specify the page numbers, touch [Yes], and then specify the page number settings.



– Touching [Text Color] displays a screen for specifying the color. Touch the button for the desired color, and then touch [OK].



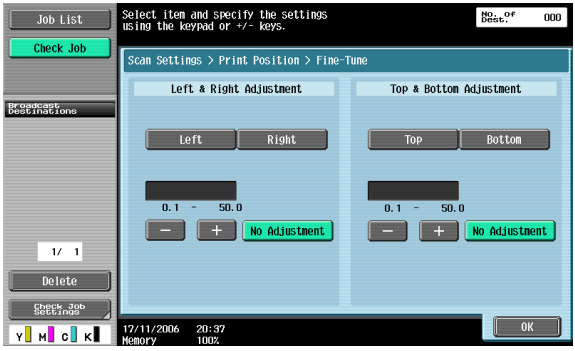
– Touching [Text Size] displays a screen for specifying the text size. Touch the button for the desired size, and then touch [OK].



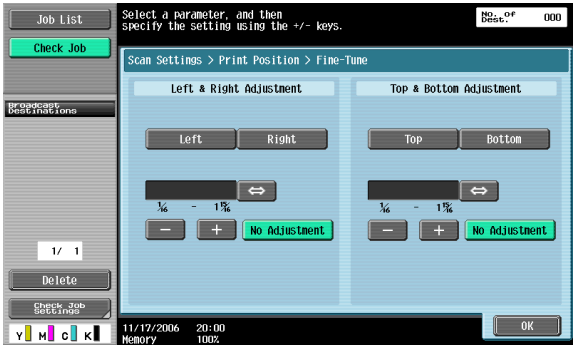
– Touching [Print Position] displays a screen for specifying the printing position. Touch the button for the desired printing position, and then make any fine adjustments, if necessary. After specifying the settings, touch [OK].

– To make fine adjustments, touch [Adjust Position]. The position can be adjusted between 1/16 and 1-15/16 inches on the North American (inch) model (between 0.1 and 50.0 mm on the European (metric) model) in the left/right direction and the up/down direction.

European model (Metric)



North American model (Inch)



6 Touch [OK], and then touch [OK] in the next three screens that appear.

Stamp (Application)

Preset text, such as “URGENT”, can be added to all pages of a document.

Note

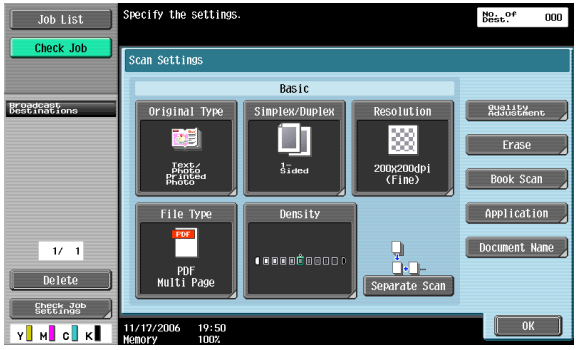
If “File Type” is set to “PDF” or “Compact PDF”, the stamps are added as images. They cannot be added as text.

Settings can be specified for the following.

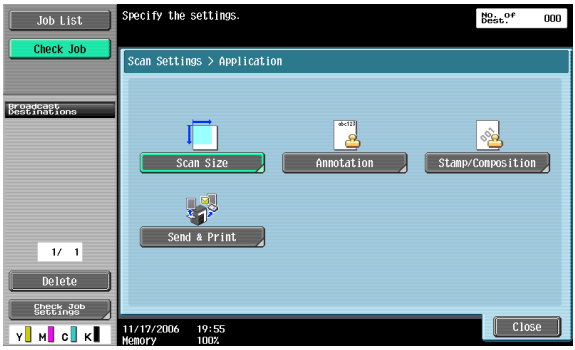
Parameter	Description
Stamp Type/Preset Stamps	Select a stamp, such as “URGENT”, “PLEASE REPLY” or “DO NOT COPY”.
Pages	Select the pages to be printed on (either all pages or 1st page only).
Text Color	Select the printing color (black, red, blue, green, yellow, cyan and magenta).
Text Size	Select the size (minimal or std.) in which text is printed.
Print Position	Select the position within the page where the image is printed. After a position is selected, it can be finely adjusted.

1 Touch [Scan Settings] in the Fax/Scan mode screen.

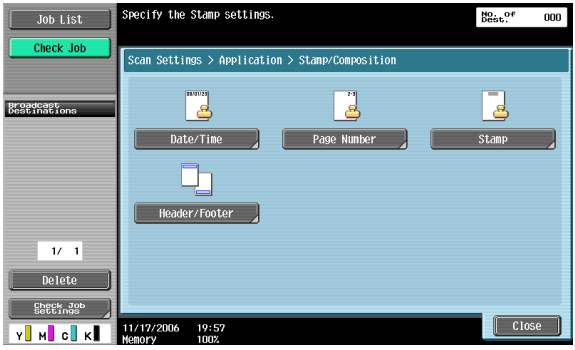
2 Touch [Application].



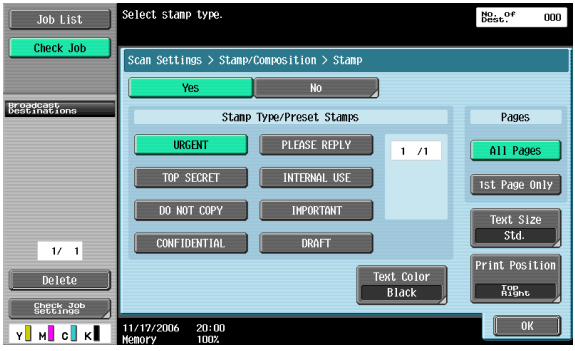
3 Touch [Stamp/Composition].



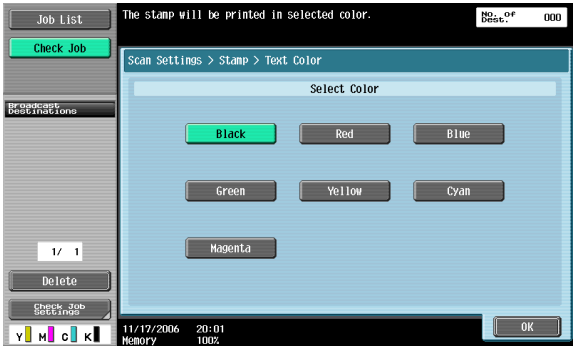
4 Touch [Stamp].



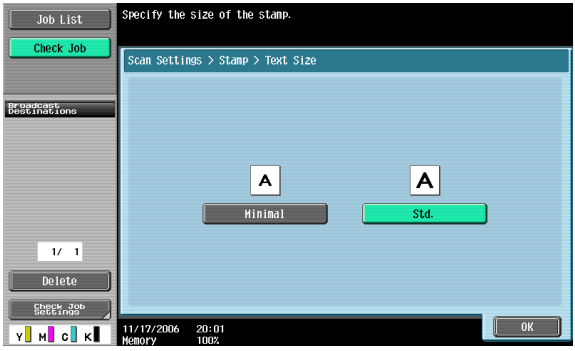
5 To specify a stamp, touch [Yes], and then specify the stamp settings.



– Touching [Text Color] displays a screen for specifying the color. Touch the button for the desired color, and then touch [OK].



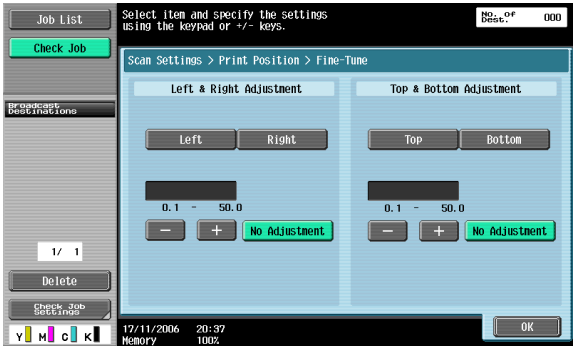
– Touching [Text Size] displays a screen for specifying the text size. Touch the button for the desired size, and then touch [OK].



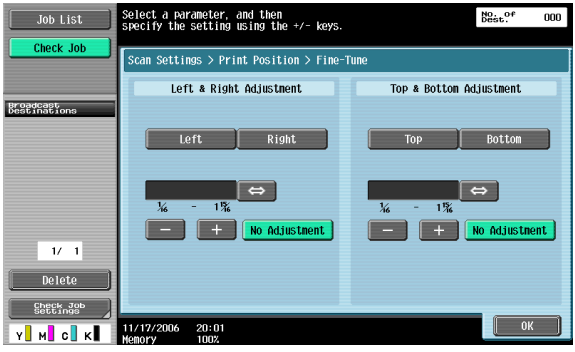
– Touching [Print Position] displays a screen for specifying the printing position. Touch the button for the desired printing position, and then make any fine adjustments, if necessary. After specifying the settings, touch [OK].

– To make fine adjustments, touch [Adjust Position].
The position can be adjusted between 1/16 and 1-15/16 inches on the North American (inch) model (between 0.1 and 50.0 mm on the European (metric) model) in the left/right direction and the up/down direction.

European model (Metric)



North American model (Inch)



6 Touch [OK], and then touch [OK] in the next three screens that appear.

Header/Footer (Application)

Headers or footers can be inserted on all pages. The contents of the header/footer must be previously registered in Administrator mode.

Detail

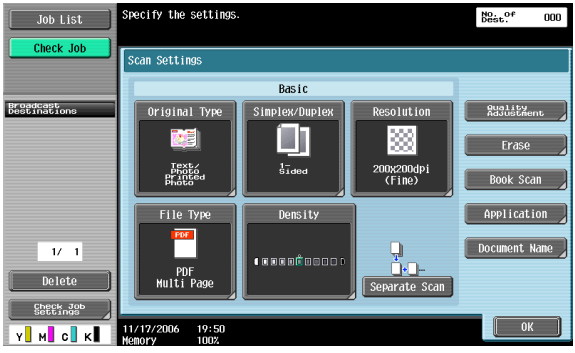
For details on registering headers and footers, refer to "Header/Footer Settings" on page 3-59.

Headers/footers use registered information that is recalled; however, the information can be checked or changed when scanning. Settings can be specified for the following.

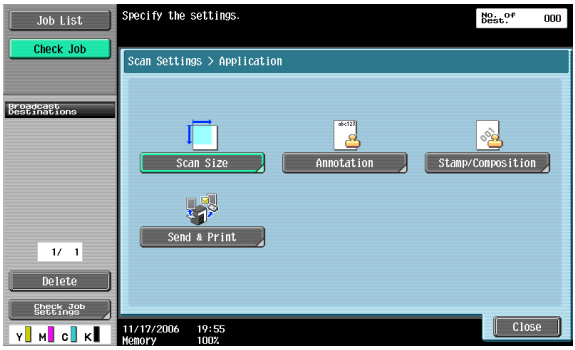
Parameter	Description
Header Settings	Select whether or not to insert a header. If a header is to be inserted, specify whether to insert text, the date/time or other information (distribution number, job number or serial number).
Footer Settings	Select whether or not to insert a footer. If a footer is to be inserted, specify whether to insert text, the date/time or other information (distribution number, job number or serial number).
Pages	Select the pages where the header/footer is to be inserted (either all pages or 1st page only).
Text Color	Select the text color (black, red, blue, green, yellow, cyan and magenta).
Text Size	Select the size (8pt,10pt,12pt or 14pt) in which text is printed.

1 Touch [Scan Settings] in the Fax/Scan mode screen.

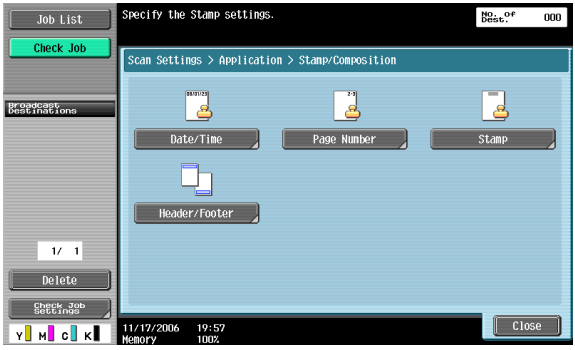
2 Touch [Application].



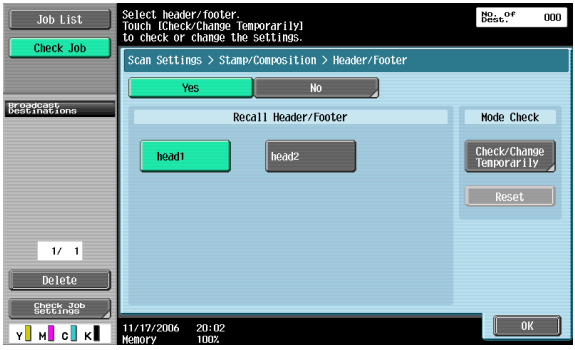
3 Touch [Stamp/Composition].



4 Touch [Header/Footer].

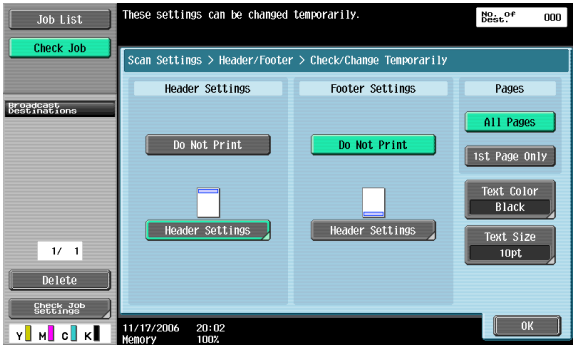


5 To print a header/footer, touch [YES], and then select the type of header/footer to be recalled.

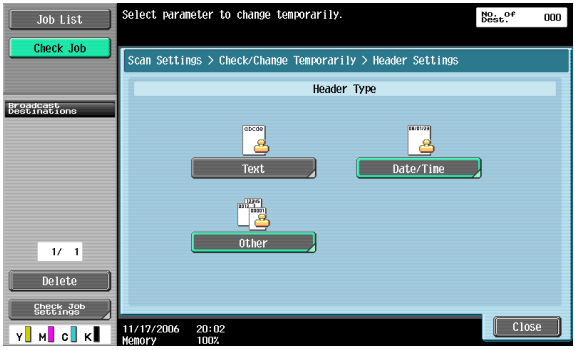


6 To check or temporarily change the selected settings, touch [Check/Change Temporarily].

The Check/Change Temporarily screen appears.

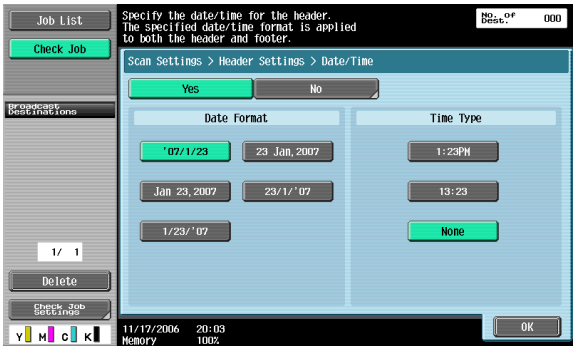


7 Touch “Header Settings” or “Footer Settings”, and then specify the header/footer settings.

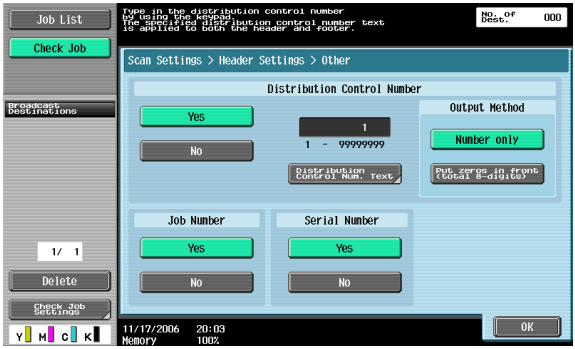


– Text

– Date/Time

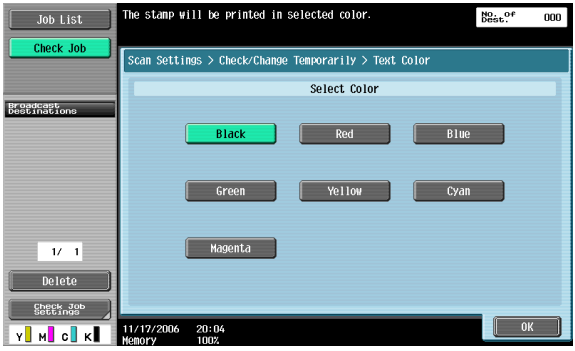


– Other

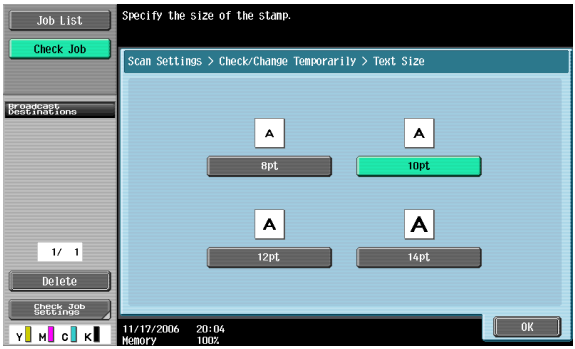


8 Specify the settings for the pages to be printed on, the text color and the text size.

– Text Color



– Text Size



– To cancel the temporarily changed settings, touch [Reset].

9 Touch [OK], and then touch [OK] in the next screen that appears.

10 Touch [Close], and then touch [Close] in the next screen that appears.

Send & Print (Application)

Settings can be specified to print while scanning. Various print settings can be specified.

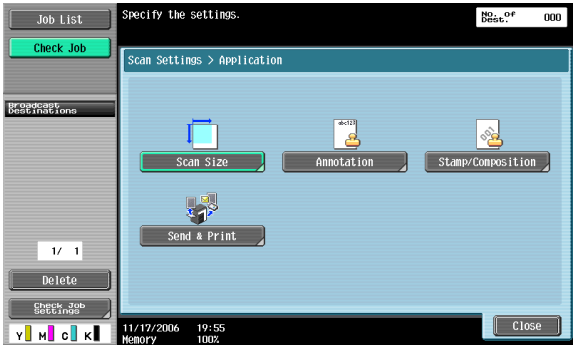
Settings can be specified for the following.

Parameter	Description
Copies	Use the keypad to type in the number of copies to be printed. A number between 1 and 9999 can be specified.
Simplex/Duplex	Select whether a single-sided or double-sided copy is to be printed.
Staple	Select whether or not the prints will be stapled. If they will be stapled, select the number of staples and the position.

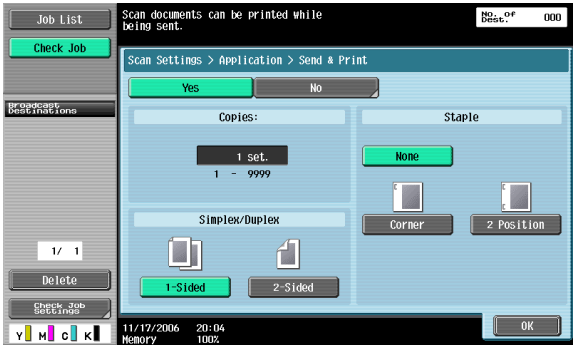
1 Touch [Scan Settings] in the Fax/Scan mode screen.

2 Touch [Application].

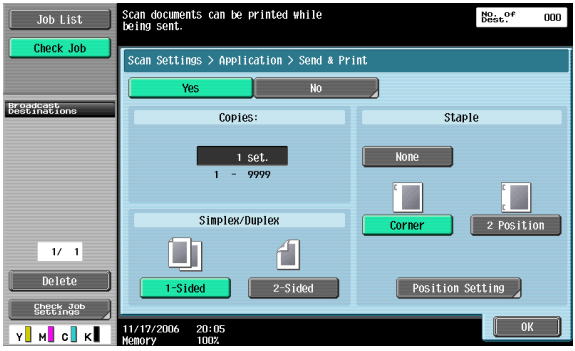
3 Touch [Send & Print].



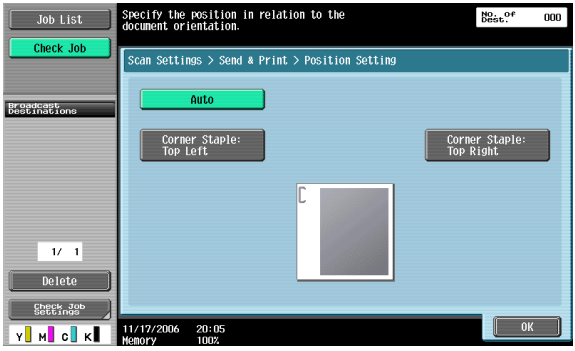
4 To print while scanning, touch [Yes], and then specify the desired settings.



5 To select the staple position, touch [Corner] or [2 Position], and then touch [Position Setting].



6 Touch the button for the desired position, and then touch [OK].



7 Touch [OK], and then touch [OK] in the next two screens that appear.

Document Name

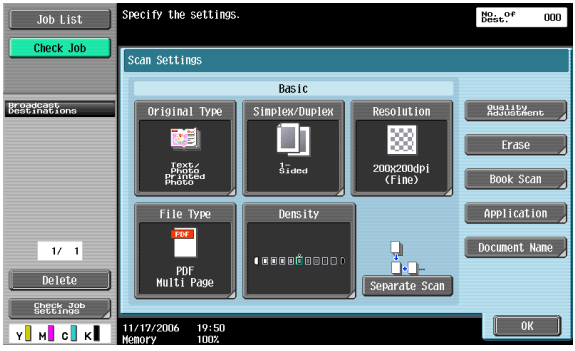
Specify the name of the scan data. If no document name is specified, the name is automatically set based on the following information.

As an example, the name “SKMBT_C55008102315230” is described below.

Section	Description
S	This letter indicates the mode when the document was saved. C: Copy S: Fax/Scan P: Print **Note** *“S” appears for documents saved in the Fax/Scan mode screen or the User Box screen.*
KMBT_C550	This represents the name of the device that scanned the data. The factory default is “KMBT_C550”. This name can be changed with the “Input Machine Address” parameter on the Administrator/Machine Setting screen in Administrator mode. A name of up to 10 characters can be specified.
08102315230	This indicates the year (last two digits), month, day, hour and minutes when the data was scanned. The last digit is a serial number if the document is part of a series of scans.
_0001	This indicates the page when multi-page data is scanned. This numeral does not appear in the screen for the document name; however, it is added automatically as part of the name when the document is routed. Add this part to the name according to the naming conditions of the server receiving the files, for example, when data is sent by FTP.
.(file_extension)	This is the extension for the specified data format. These characters do not appear in the screen for the document name; however, they are added automatically as part of the name when the document is routed.

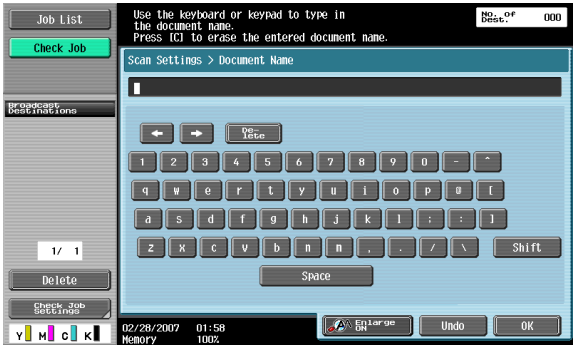
1 Touch [Scan Settings] in the Fax/Scan mode screen.

2 Touch [Document Name].



3 Using the keyboard that appeared in the touch panel, type in the document name.

- The document name can contain a maximum of 30 characters.
- To stop registering the document name, press the [Reset] key.
- For details on typing in text, refer to “Entering text” on page 6-4.



4 Touch [OK].

Original Settings

Specify the type of document that is loaded, for example, if it contains mixed page sizes or is folded in a zigzag.

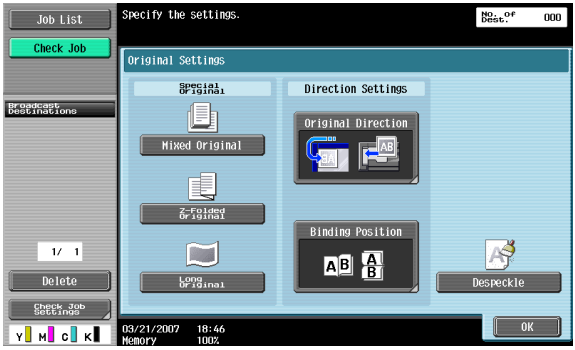
Parameter	Description
Mixed Original	Select this setting when documents of different sizes are loaded into the ADF (optional). The scan speed is decreased since the size of each page is detected before it is scanned.
Z-Folded Original	Select this setting to detect the size of a zigzag-folded document by the length fed through the ADF.
Long Original	Select this setting for documents that are longer than the standard size.
Original Direction	Select the orientation of the document. After the document is scanned, the data is processed so that it is correctly oriented.
Binding Position	Select the binding position, such as when holes are punched in the document or the document is stapled. In addition, specify the binding position when a double-sided document is loaded. This adjusts the scan of double-sided documents so that the binding position is not reversed. Left Select this setting for a document with binding on the left side. Top Select this setting for a document with binding at the top. Auto The binding is on the long side if the page is 297 mm or less, or it is on the short side if the page is more than 297 mm.
Despeckle	Select this setting to reduce the effect that dust on the left partition glass has on images when the document is loaded into the ADF.

Note

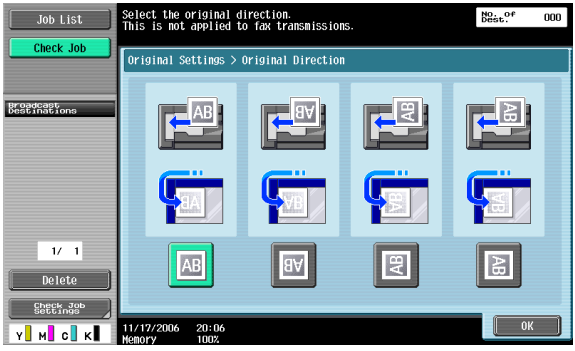
The original settings and direction settings can be used together.

1 Touch [Original Settings] in the Fax/Scan mode screen.

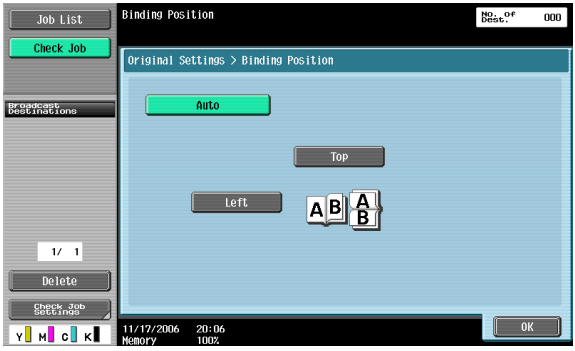
2 Select settings for the Original Settings functions.



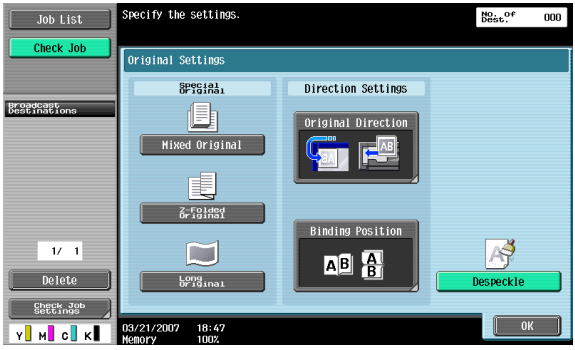
– Touching [Original Direction] displays the Original Direction screen. Touch the button for the desired orientation, and then touch [OK].



– Touching [Binding Position] displays the Binding Position screen. Touch the button for the binding position, and then touch [OK].



– To apply the “Despeckle” setting, touch [Despeckle] to select it.



3 Touch [OK], and then touch [OK] in the next screen that appears.

Detail

The scanning speed will be reduced if the “Despeckle” setting is selected.

Clean the left partition glass when it becomes extremely dirty. For details, refer to the User’s Guide [Copy Operations].

E-Mail Setting

When data is sent, an e-mail message containing the document name can be sent to the specified e-mail address.

Detail

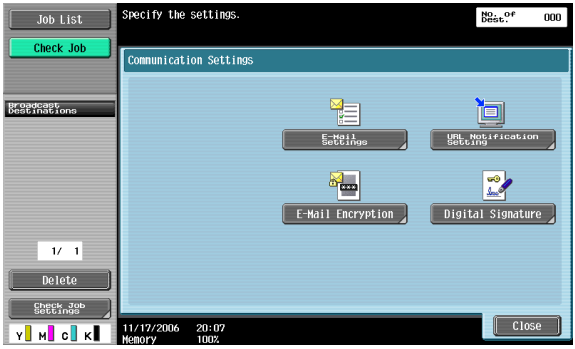
The information specified as the document name is used with Scan to FTP, Scan to SMB and Scan to WebDAV operations.

If "Change the "From" Address" (displayed by touching [System Settings] on the Administrator Settings screen, then [Restrict User Access], then [Restrict Operation]) is set to "Restrict", the From address cannot be entered directly.

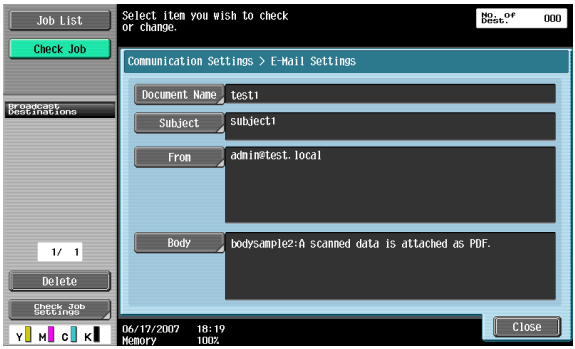
Parameter	Description
Document Name	The name of the file to be saved is displayed. The document name specified later appears as the document name, even if the document name was specified with "Document Name" on the Scan Settings screen. If no document name is specified, the name automatically specified based on the settings in the Administrator Settings screen is displayed. A maximum of 30 characters can be entered.
Subject	The text specified from Utility mode is automatically displayed. Touch [Direct Input] to change the text. A maximum of 64 characters can be entered.
From	The e-mail address specified from Utility mode is automatically displayed.
Body	The text specified from Utility mode is displayed. Touch [Direct Input] to change the text. A maximum of 256 characters can be entered.

1 Touch [Communication Settings] in the Fax/Scan mode screen.

2 Touch [E-Mail Settings].



3 Specify the e-mail transmission settings.



4 Touch [Close], and then touch [Close] in the next screen that appears.

URL Notification Setting

Specify the e-mail address where notifications of completion of the job are to be sent.

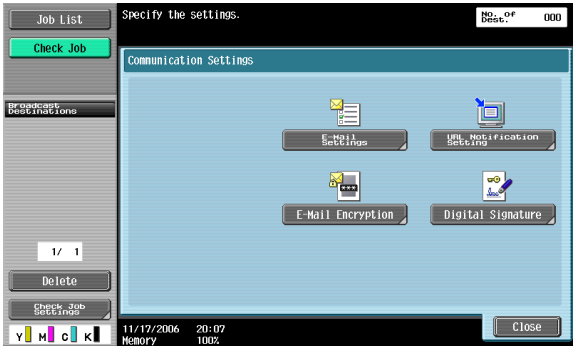
Detail

The destinations that can be specified for "URL Notification Setting" include FTP servers, SMB server or WebDAV servers.

This feature does not function during e-mail transmissions, even if a setting is specified.

1 Touch [Communication Settings] in the Fax/Scan mode screen.

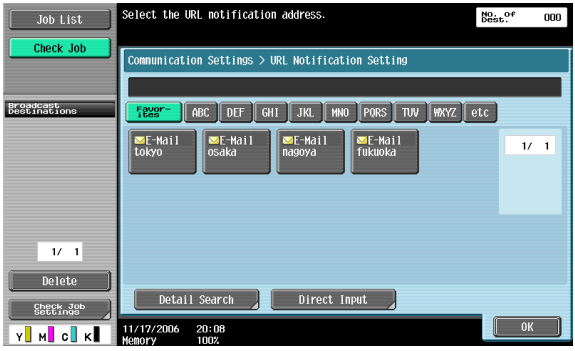
2 Touch [URL Notification Setting].



3 Specify the e-mail address where notifications will be sent.

– Select a registered e-mail address.

– Touch [Direct Input], and then specify the e-mail address for the destination of URL notifications.



4 Touch [Close], and then touch [Close] in the next screen that appears.

E-Mail Encryption

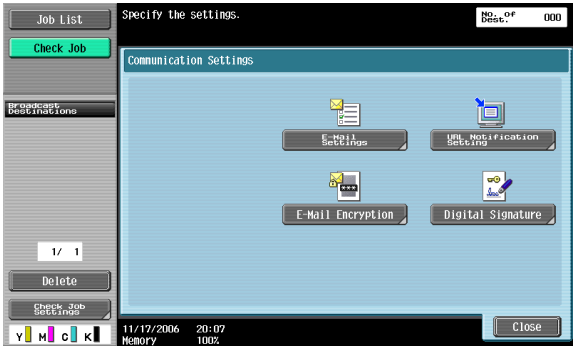
A setting can be specified for this parameter when “S/MIME Communication Settings” is set to “ON”. Select whether or not to encrypt e-mail messages that are sent.

Detail

For details on the “S/MIME Communication Settings” parameter, refer to “S/MIME Communication Settings” on page 4-91.

1 Touch [Communication Settings] in the Fax/Scan mode screen.

2 Touch [E-Mail Encryption].



3 Touch [Close], and then touch [Close] in the next screen that appears.

Digital Signature

This parameter appears when “S/MIME Communication Settings” is set to “ON”. Select whether or not to add a digital signature to e-mail messages that are sent.

Detail

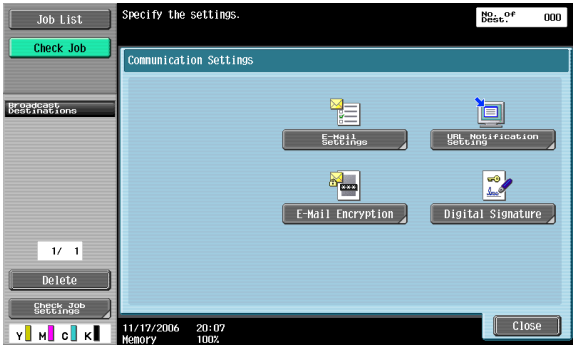
For details on the “S/MIME Communication Settings” parameter, refer to “S/MIME Communication Settings” on page 4-91.

Note

This parameter may not be available or may be set to normally sign, depending on the specified S/MIME communication settings.

1 Touch [Communication Settings] in the Fax/Scan mode screen.

2 To add a digital signature, touch [Digital Signature].



3 Touch [Close], and then touch [Close] in the next screen that appears.

3 Specifying Utility mode parameters

3 Specifying Utility mode parameters

3.1 Settings that can be specified from Utility mode

Various basic settings and advanced parameters for using this machine can be set from the Utility mode. This chapter describes the procedures for setting the Utility mode parameters for scanning functions and the screens.

Detail

For details on specifying network settings, refer to "Network Settings" on page 4-2.

Utility mode parameters

The following Utility mode parameters are described in this manual.

Parameter	Description	Page reference
One-Touch Destination/ User Box Registration	Specify settings for scan destinations. Destinations can be registered as programs, groups or in the address book.	"Registering an address book destination" on page 3-10 "Registering a group destination" on page 3-32 "Specifying e-mail settings" on page 3-35 "Limiting Access to Destinations" on page 3-39
User Settings	Specify default settings for the Fax/Scan mode screen and settings for saving data.	"Custom Display Settings" on page 3-43 "Scan/Fax Settings" on page 3-49
Administrator Settings	Specify the settings that are reset after the transmission is completed.	"Reset Data After Job" on page 3-57
	Register header/footer settings.	"Registering headers/footers" on page 3-59
	The registered destinations, titles and text can be printed as lists.	"Printing registered destination lists" on page 3-66
	Specify the basic settings in order to use the machine on the network.	For details, refer to "Network Settings" on page 4-2.
	Specify the necessary system connection settings.	"Open API Settings" on page 3-73

Other related parameters

Setting procedures are not provided in this manual; however, some parameters manage the scanning functions and network connection. For details on these parameters, refer to the corresponding description in the User's Guide [Copy Operations].

Parameter	Description	Page reference
Administrator Registration	If the e-mail address of the administrator is not specified, scan data cannot be sent by e-mail.	"Administrator Registration" in the User's Guide [Copy Operations]
User Authentication Settings	If "User Registration" is set so that scan operations are not permitted, scan operations cannot be performed.	"User Authentication Settings" in the User's Guide [Copy Operations]

PageScope Web Connection

PageScope Web Connection is a device management utility supported by the HTTP server integrated into the device. Using a Web browser on a computer connected to the network, machine settings can be specified from PageScope Web Connection.

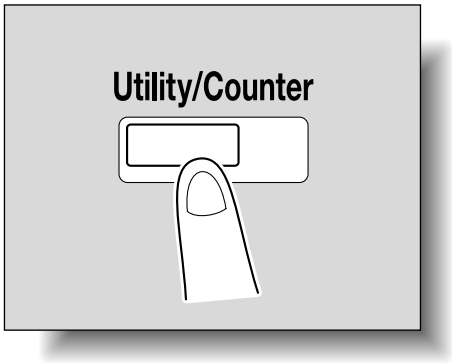
Specifying settings with the utility is convenient since text can easily be typed in from your computer instead of with the machine's control panel.

Since some settings can only be specified with PageScope Web Connection, for details, refer to the User's Guide [PageScope Web Connection Operations]

3.2 Displaying settings screens

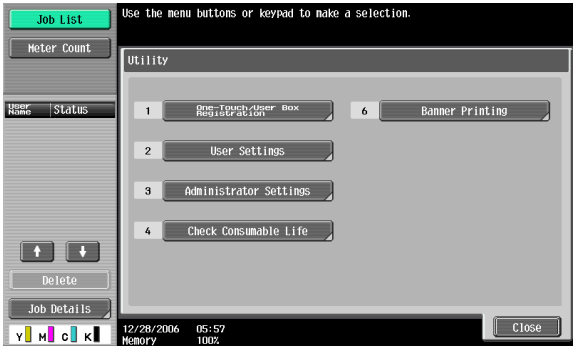
Displaying the Create One-Touch Destination screen

1 Press the [Utility/Counter] key.

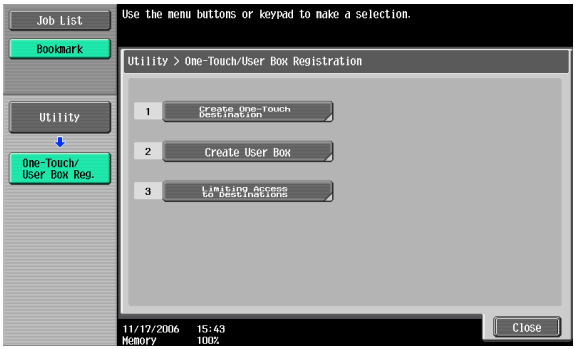


2 Touch [1 One-Touch/User Box Registration].

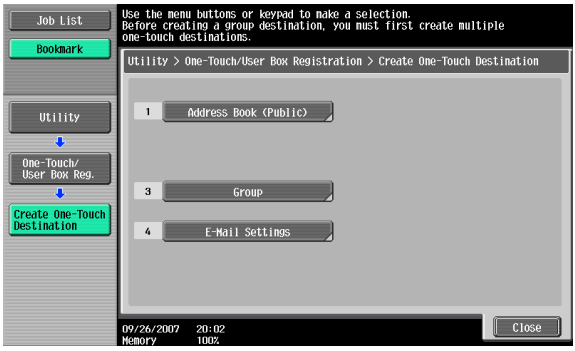
– An item can also be selected by pressing the key in the keypad for the number beside the desired button. For [1 One-Touch/User Box Registration], press the [1] key in the keypad.



3 Touch [1 Create One-Touch Destination].



The Create One-Touch Destination screen appears.


Job List
Bookmark
Utility
One-Touch/ User Box Reg.
Create One-Touch Destination
Use the menu buttons or keypad to make a selection.
Before creating a group destination, you must first create multiple one-touch destinations.
Utility > One-Touch/User Box Registration > Create One-Touch Destination
1 Address Book (Public)
3 Group
4 E-Mail Settings
09/26/2007 20:02
Memory 100%
Close

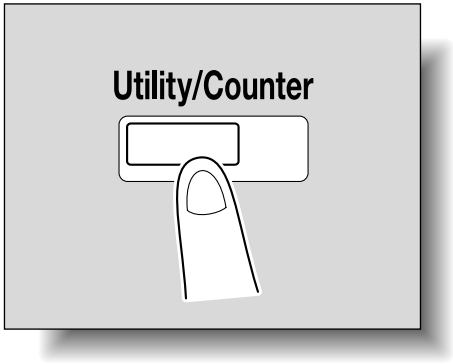
...

Note

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

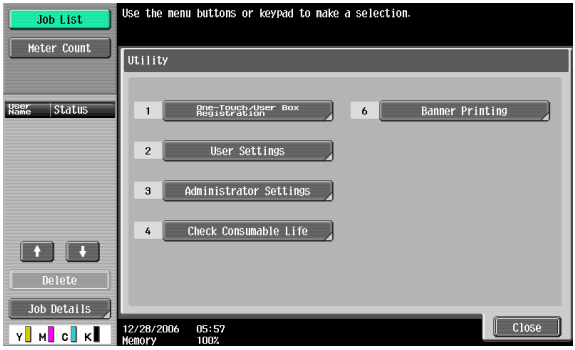
Displaying the User Settings screen

1 Press the [Utility/Counter] key.

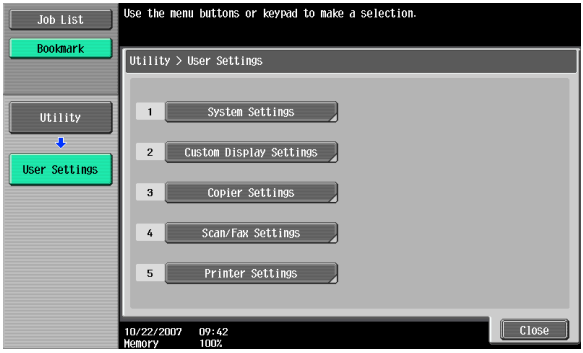


2 Touch [2 User Settings].

– An item can also be selected by pressing the key in the keypad for the number beside the desired button. For [2 User Settings], press the [2] key in the keypad.



The User Settings screen appears.



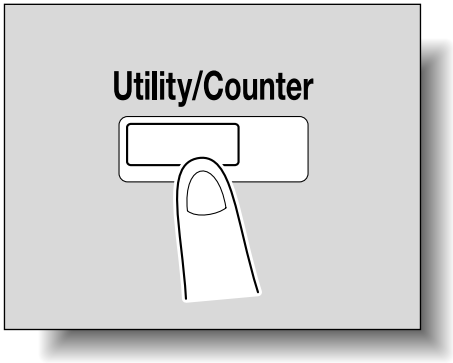
Note

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

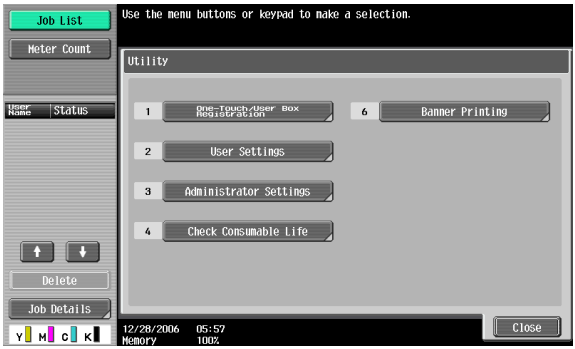
If user authentication settings have been specified, [Change Password], [Change E-Mail Address] and [Change Icon] are available when a registered user is logged on.

Displaying the Administrator Settings screen

1 Press the [Utility/Counter] key.



2 Touch [3 Administrator Settings].

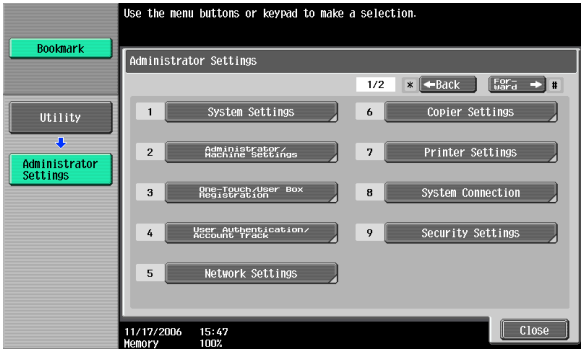


– An item can also be selected by pressing the key in the keypad for the number beside the desired button. For [3 Administrator Settings], press the [3] key in the keypad.

3 Type in the password, and then touch [OK].

– For details on typing in text, refer to “Entering text” on page 6-4.

The Administrator Settings screen appears.



Note

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

3.3 Registering an address book destination

A maximum of 2,000 destinations can be registered.

E-Mail destination

Settings can be specified for the following for the e-mail destination to be registered.

Parameter	Description
No.	Type in the registration number (between 1 and 2000) for the address book destination. If nothing is entered when [OK] is touched, the destination is registered with the lowest available number.
Name	Type in a name of 24 characters or less for the registered destination.
E-Mail Address	Type in the address where the e-mail is sent.
Index	Select the index characters. For frequently used destinations, touch [Favorites] so that the destination can be found more easily.
Icon	Select an icon.

Detail

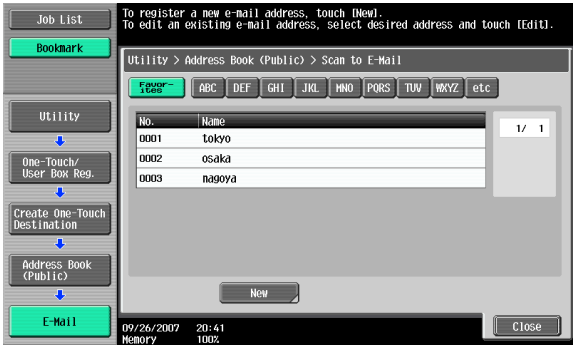
For details on displaying the Create One-Touch Destination screen, refer to "Displaying the Create One-Touch Destination screen" on page 3-4.

If "Registering and Changing Address" in Administrator mode is set to "Restrict", specify these settings with "One-Touch/User Box Registration" on the Administrator Settings screen.

1 Touch [1 Address Book (public)] in the Create One-Touch Destination screen.

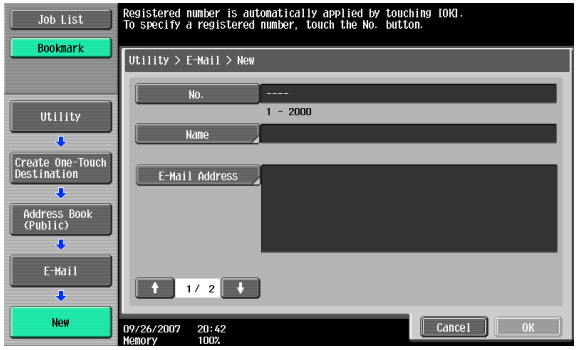
2 Touch [1 E-Mail].

The E-Mail screen appears.



3 Touch [New].

The New screen 1/2 appears.



4 To specify the registration number, touch [No.], and then use the keypad to type in the number.

5 Touch [Name], and then type in the registration name, using the keyboard that appears.

– For details on typing in text, refer to “Entering text” on page 6-4.

6 Touch [OK].

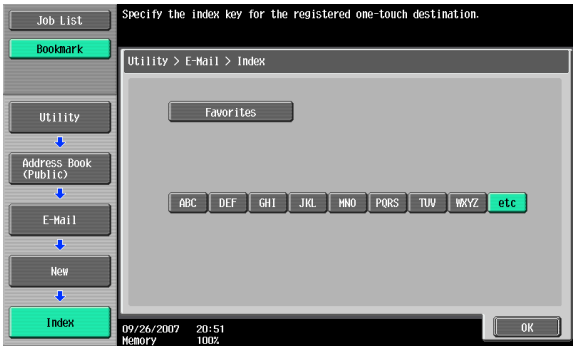
7 Touch [E-Mail Address], and then type in the e-mail address, using the keyboard that appears.

8 Touch [OK].

9 Touch [↑] or [↓].

New screen 2/2 appears.

10 Touch [Index], and then select the index characters.



11 Touch [OK].

12 Touch [Icon], and then select an icon.

– The icons are used in the image panel function which can be operated when the optional i-Option LK-101 or i-Option LK-103 is installed.

13 Touch [OK], and then touch [OK] in the next screen that appears.

The e-mail destination is registered.

Detail

To check a registered destination, select it, and then touch [Check Job Set.].

To change the settings for a registered destination, select it, and then touch [Edit]. The registration number cannot be changed in the Edit screen.

To delete a registered destination, select it, and then touch [Delete].

Note

The registration cannot be completed if no settings are specified for "Name" and "E-Mail Address".

To cancel the registration, touch [Cancel].

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

User Box

Settings can be specified for the following for the user box destination to be registered.

Parameter	Description
No.	Type in the registration number (between 1 and 2000) for the address book destination. If nothing is entered when [OK] is touched, the destination is registered with the lowest available number.
Name	Type in a name of 24 characters or less for the registered destination.
User Box	Select one user box where data is to be saved.
Index	Select the index characters. For frequently used destinations, touch [Favorites] so that the destination can be found more easily.
Icon	Select an icon.

Detail

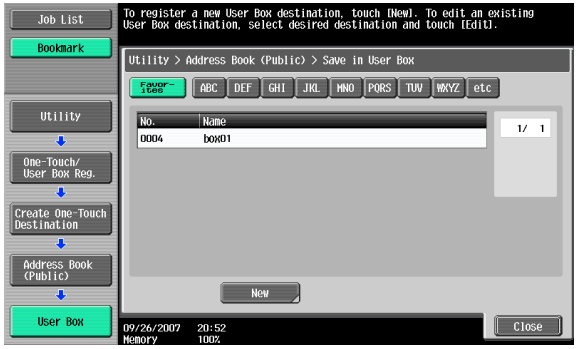
In order to register a user box as a destination, the user box must be registered first. For details, refer to the User's Guide [Box Operations].

For details on displaying the Create One-Touch Destination screen, refer to "Displaying the Create One-Touch Destination screen" on page 3-4.

1 Touch [1 Address Book (public)] in the Create One-Touch Destination screen.

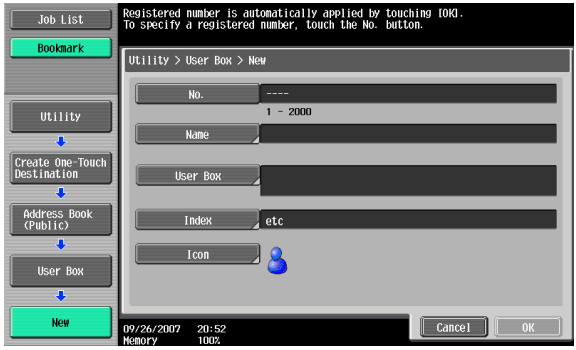
2 Touch [2 User Box].

The User Box screen appears.



3 Touch [New].

The New screen appears.



4 To specify the registration number, touch [No.], and then use the keypad to type in the number.

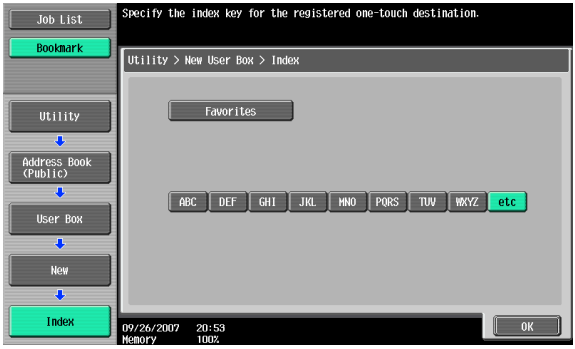
5 Touch [Name], and then type in the registration name, using the keyboard that appears.

– For details on typing in text, refer to “Entering text” on page 6-4.

6 Touch [OK].

7 Touch [User Box], and then select a user box.

8 Touch [Index], and then select the index characters.



9 Touch [OK].

10 Touch [Icon], and then select an icon.

– The icons are used in the image panel function which can be operated when the optional i-Option LK-101 or i-Option LK-103 is installed.

11 Touch [OK], and then touch [OK] in the next screen that appears.

The user box destination is registered.

Detail

To check a registered destination, select it, and then touch [Check Job Set.].

To change the settings for a registered destination, select it, and then touch [Edit]. The registration number cannot be changed in the Edit screen.

To delete a registered destination, select it, and then touch [Delete].

...

Note

The registration cannot be completed if no settings are specified for "Name" and "User Box".

To cancel the registration, touch [Cancel].

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

PC (SMB)

Settings can be specified for the following for the SMB destination to be registered.

Parameter	Description
No.	Type in the registration number (between 1 and 2000) for the address book destination. If nothing is entered when [OK] is touched, the destination is registered with the lowest available number.
Name	Type in a name of 24 characters or less for the registered destination.
User ID	Type in 127 characters or less for the user ID for logging onto the destination computer.
Password	Type in 14 characters or less for the password for logging onto the destination computer.
Host Address	Type in the host address for the destination computer in the format of a host name, IPv4 address or IPv6 address. For a host name, type in 255 characters or less.
File Path	Type in 255 characters or less for the path to the saved file.
Reference	Check the structure of the folders on the destination computer. This can be used to directly check the destination folder.
Index	Select the index characters. For frequently used destinations, touch [Favorites] so that the destination can be found more easily.
Icon	Select an icon.

Note

Reference function is not available in the IPv6 environment.

1 Touch [1 Address Book (public)] in the Create One-Touch Destination screen.

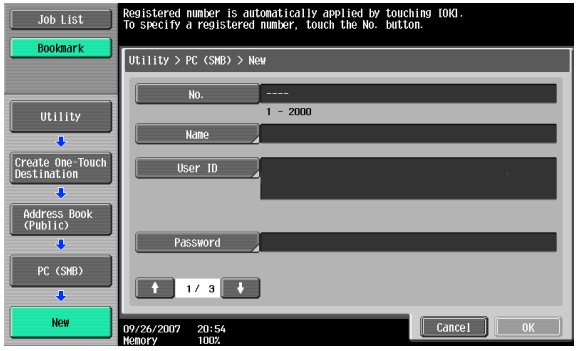
– For details on displaying the Create One-Touch Destination screen, refer to “Displaying the Create One-Touch Destination screen” on page 3-4.

2 Touch [4 PC (SMB)].

The PC (SMB) screen appears.

3 Touch [New].

New screen 1/3 appears.



4 To specify the registration number, touch [No.], and then use the keypad to type in the number.

5 Touch [Name], and then type in the registration name, using the keyboard that appears.

– For details on typing in text, refer to “Entering text” on page 6-4.

6 Touch [OK].

7 Touch [User ID], and then type in the user ID, using the keyboard that appears.

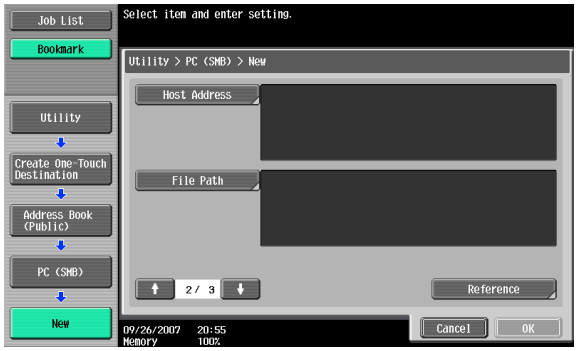
8 Touch [OK].

9 Touch [Password], and then type in the password, using the keyboard that appears.

10 Touch [OK].

11 Touch [↑] or [↓].

New screen 2/3 appears.



12 Touch [Host Address], and then type in the IP address or host name.

- To enter a host name, touch [Host Name Input], and then type in the host name, using the keyboard that appears.
- To enter an IP address, touch [IPv4 Address Input] or [IPv6 Address Input], and then type in the address, using the keypad or the number buttons that appear. Touch [←] or [→] to move the cursor to the desired position, and then type in the numbers.
- When the input format is switched to entering an IP address after the host name was entered, the host name is cleared.
- If [Host Name Input] is touched after the IP address was entered, the entered IP address is saved and the input screen appears.
- Type the host name and file path in uppercase letters.
- When sending an SMB transmission using an IPv6 address, set “Direct Hosting Setting” to “ON”. For details, refer to “Direct Hosting Setting” on page 4-61.

13 Touch [OK].

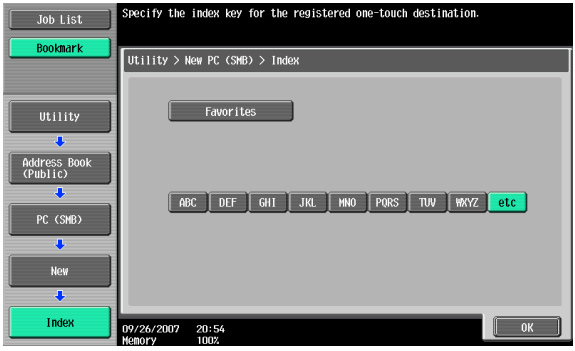
14 Touch [File Path], and then type in the file path, using the keyboard that appears.

- To check the contents of the shared folders, touch [Reference].

15 Touch [↑] or [↓].

New screen 3/3 appears.

16 Touch [Index], and then select the index characters.



17 Touch [OK].

18 Touch [Icon], and then select an icon.

– The icons are used in the image panel function which can be operated when the optional i-Option LK-101 or i-Option LK-103 is installed.

19 Touch [OK], and then touch [OK] in the next screen that appears.

The SMB destination is registered.

Detail

To check a registered destination, select it, and then touch [Check Job Set.].

To change the settings for a registered destination, select it, and then touch [Edit]. The registration number cannot be changed in the Edit screen.

To delete a registered destination, select it, and then touch [Delete].

If the computers or workgroups on the network (subnet) that this machine belongs to is more than the numbers listed below, browsing over the network may not be performed correctly.
Workgroups: 128
Computers: 128

Also, browsing is not available in the IPv6 environment.

...

Note

The registration cannot be completed if no settings are specified for "Name", "Host Address" and "File Path".

To cancel the registration, touch [Cancel].

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

FTP

Settings can be specified for the following for the FTP destination to be registered.

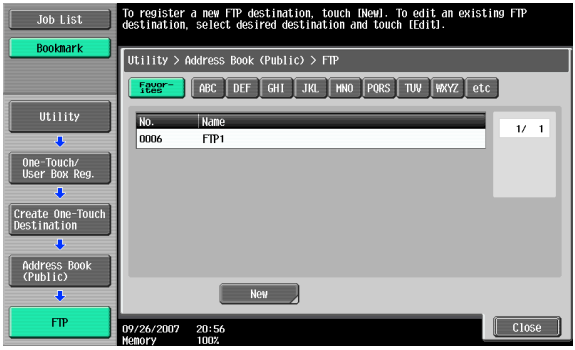
Parameter	Description
No.	Type in the registration number (between 1 and 2000) for the address book destination. If nothing is entered when [OK] is touched, the destination is registered with the lowest available number.
Name	Type in a name of 24 characters or less for the registered destination.
Host Address	Type in the host address in the format of a host name, IPv4 address or IPv6 address. For a host name, type in 63 characters or less.
File Path	Type in 96 characters or less for the path to the saved file.
User ID	Type in 47 characters or less for the user ID for logging onto the host computer.
Password	Type in 31 characters or less for the password for logging onto the host computer.
anonymous	To specify no user ID for logging onto the host computer, touch [ON].
PASV	Select whether or not the PASV mode is used.
Proxy	Select whether or not a proxy server is used.
Port Number	Type in the port number. (Range: 1 to 65535)
Index	Select the index characters. For frequently used destinations, touch [Favorites] so that the destination can be found more easily.
Icon	Select an icon.

1 Touch [1 Address Book (public)] in the Create One-Touch Destination screen.

– For details on displaying the Create One-Touch Destination screen, refer to "Displaying the Create One-Touch Destination screen" on page 3-4.

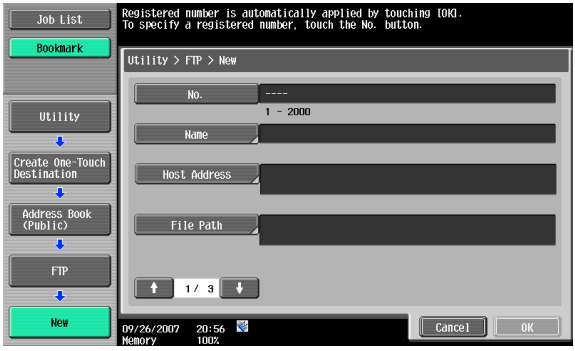
2 Touch [5 FTP].

The FTP screen appears.



3 Touch [New].

The New screen 1/3 appears.



4 To specify the registration number, touch [No.], and then use the keypad to type in the number.

5 Touch [Name], and then type in the registration name, using the keyboard that appears.

– For details on typing in text, refer to “Entering text” on page 6-4.

6 Touch [OK].

7 Touch [Host Address], and then type in the IP address or host name.

- To enter a host name, touch [Host Name Input], and then type in the host name, using the keyboard that appears.To enter an IP address, touch [IPv4 Address Input] or [IPv6 Address Input], and then type in the address, using the keypad or the number buttons that appear. Touch [←] or [→] to move the cursor to the desired position, and then type in the numbers.
- When the input format is switched to entering an IP address after the host name was entered, the host name is cleared.
- If [Host Name Input] is touched after the IP address was entered, the entered IP address is saved and the input screen appears.
- When [Host Name Input] is touched, check that the DNS setting is correctly specified. For details on the DNS settings, refer to “TCP/IP Settings” on page 4-17.

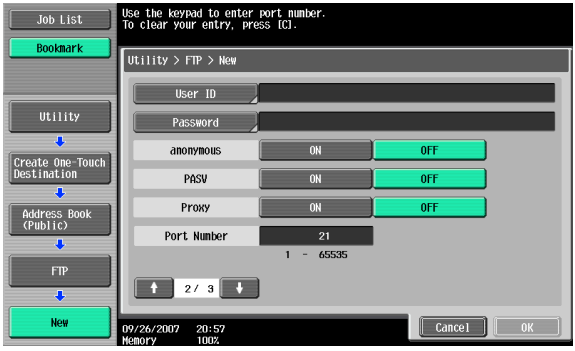
8 Touch [OK].

9 Touch [File Path], and then type in the file path, using the keyboard that appears.

10 Touch [OK].

11 Touch [↑] or [↓].

New screen 2/3 appears.



12 Touch [User ID], and then type in the user ID, using the keyboard that appears.

- To cancel registration of the user ID, touch [ON] beside “anonymous”.

13 Touch [OK].

14 Touch [Password], and then type in the password, using the keyboard that appears.

15 Touch [OK].

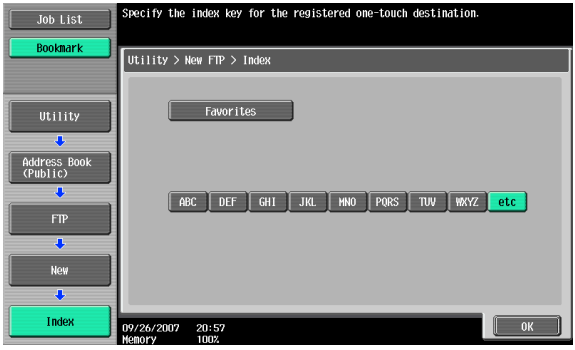
16 If necessary, specify settings for “anonymous”, “PASV mode”, “Proxy” and “Port Number”.

- To enter a port number, press the [C] (clear) key to clear the current value, and then use the keypad to type in the port number.
- If a value outside the allowable range is specified, the message “Input error” appears. Type a value within the allowable range.

17 Touch [↑] or [↓].

New screen 3/3 appears.

18 Touch [Index], and then select the index characters.



19 Touch [OK].

20 Touch [Icon], and then select an icon.

– The icons are used in the image panel function which can be operated when the optional i-Option LK-101 or i-Option LK-103 is installed.

21 Touch [OK], and then touch [OK] in the next screen that appears.

The FTP destination is registered.

Detail

To check a registered destination, select it, and then touch [Check Job Set.].

To change the settings for a registered destination, select it, and then touch [Edit]. The registration number cannot be changed in the Edit screen.

To delete a registered destination, select it, and then touch [Delete].

Note

The registration cannot be completed if no settings are specified for "Name", "Host Address", "File Path", "User ID" and "Password".

To cancel the registration, touch [Cancel].

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

WebDAV

Settings can be specified for the following for the WebDAV destination to be registered.

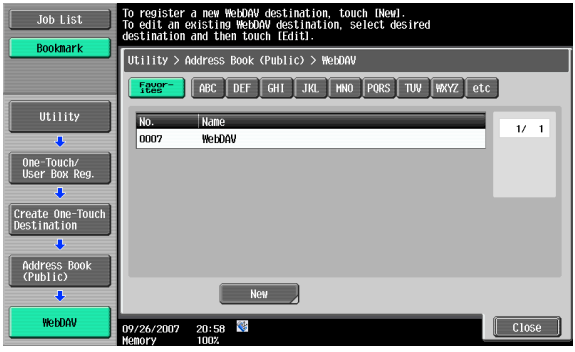
Parameter	Description
No.	Type in the registration number (between 1 and 2000) for the address book destination. If nothing is entered when [OK] is touched, the destination is registered with the lowest available number.
Name	Type in a name of 24 characters or less for the registered destination.
User ID	Type in 21 characters or less for the user ID for logging onto the host computer.
Password	Type in 63 characters or less for the password for logging onto the host computer.
Host Address	Type in the host address in the format of a host name, IPv4 address or IPv6 address. For a host name, type in 63 characters or less.
File Path	Type in 96 characters or less for the path to the saved file.
Proxy	Select whether or not a proxy server is used.
SSL Settings	Select whether or not SSL is used.
Port Number	Type in the port number. (Range: 1 to 65535)
Index	Select the index characters. For frequently used destinations, touch [Favorites] so that the destination can be found more easily.
Icon	Select an icon.

1 Touch [1 Address Book (public)] in the Create One-Touch Destination screen.

– For details on displaying the Create One-Touch Destination screen, refer to “Displaying the Create One-Touch Destination screen” on page 3-4.

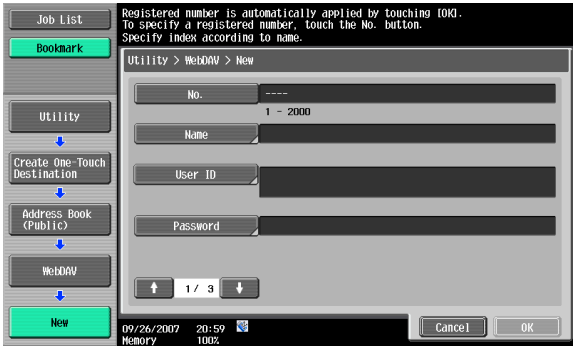
2 Touch [6 WebDAV].

The WebDAV screen appears.



3 Touch [New].

The New screen 1/3 appears.



4 To specify the registration number, touch [No.], and then use the keypad to type in the number.

5 Touch [Name], and then type in the registration name, using the keyboard that appears.

– For details on typing in text, refer to “Entering text” on page 6-4.

6 Touch [OK].

7 Touch [User ID], and then type in the user ID, using the keyboard that appears.

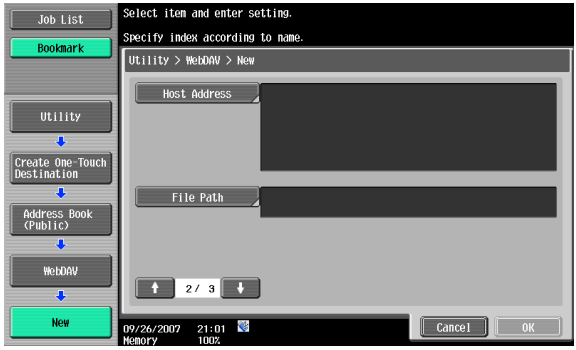
8 Touch [OK].

9 Touch [Password], and then type in the password, using the keyboard that appears.

10 Touch [OK].

11 Touch [↑] or [↓].

New screen 2/3 appears.



12 Touch [Host Address], and then type in the IP address or host name.

- To enter a host name, touch [Host Name Input], and then type in the host name, using the keyboard that appears.
- To enter an IP address, touch [IPv4 Address Input] or [IPv6 Address Input], and then type in the address, using the keypad or the number buttons that appear. Touch [←] or [→] to move the cursor to the desired position, and then type in the numbers.
- When the input format is switched to entering an IP address after the host name was entered, the host name is cleared.
- If [Host Name Input] is touched after the IP address was entered, the entered IP address is saved and the input screen appears.
- When [Host Name Input] is touched, check that the DNS setting is correctly specified. For details on the DNS settings, refer to “TCP/IP Settings” on page 4-17.

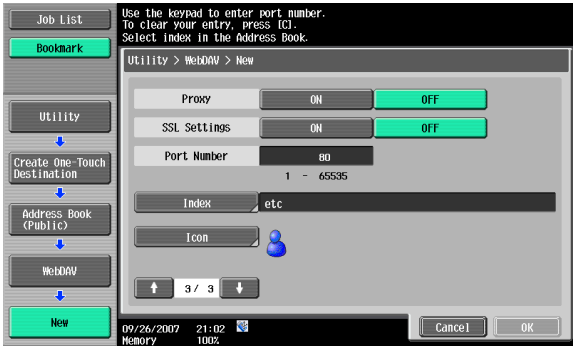
13 Touch [OK].

14 Touch [File Path], and then type in the file path, using the keyboard that appears.

15 Touch [OK].

16 Touch [↑] or [↓].

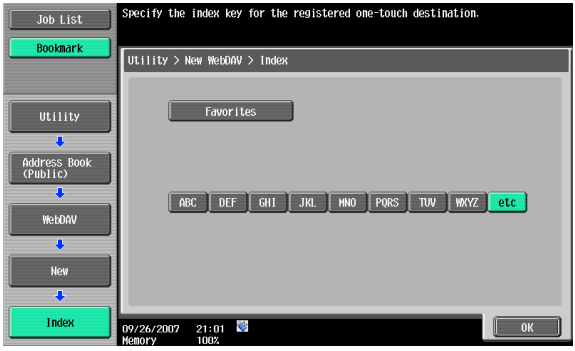
New screen 3/3 appears.



17 If necessary, specify settings for, “Proxy”, “SSL Settings” and “Port Number”.

- To enter a port number, press the [C] (clear) key to clear the current value, and then use the keypad to type in the port number.
- If a value outside the allowable range is specified, the message “Input error” appears. Type a value within the allowable range.

18 Touch [Index], and then select the index characters.



19 Touch [OK].

20 Touch [Icon], and then select an icon.

– The icons are used in the image panel function which can be operated when the optional i-Option LK-101 or i-Option LK-103 is installed.

21 Touch [OK], and then touch [OK] in the next screen that appears.

The WebDAV destination is registered.

Detail

To check a registered destination, select it, and then touch [Check Job Set.].

To change the settings for a registered destination, select it, and then touch [Edit]. The registration number cannot be changed in the Edit screen.

To delete a registered destination, select it, and then touch [Delete].

Note

The registration cannot be completed if no settings are specified for "Name", "Host Address", "File Path", "User ID" and "Password".

To cancel the registration, touch [Cancel].

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

3.4 Registering a group destination

A group destination can be registered.

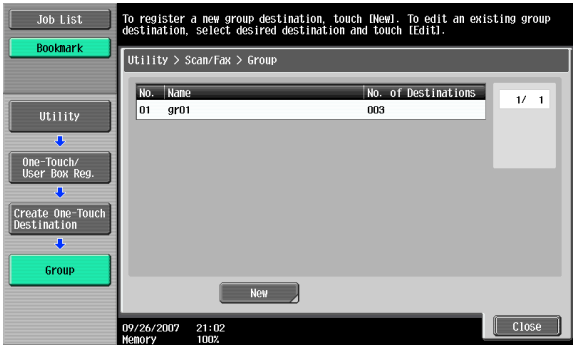
Detail

Up to 100 groups can be registered, and up to 500 destinations can be registered in a single group.

1 Touch [3 Create Group] in the Create One-Touch Destination screen.

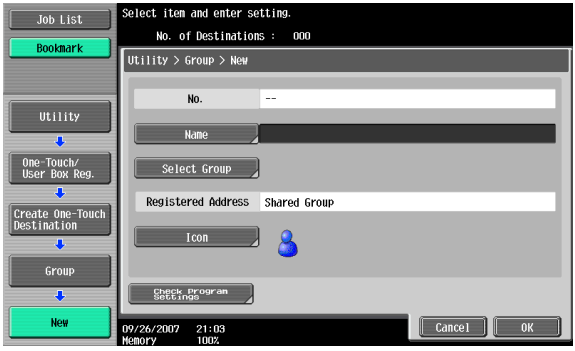
– For details on displaying the Create One-Touch Destination screen, refer to “Displaying the Create One-Touch Destination screen” on page 3-4.

The Group screen appears.



2 Touch [New].

The New screen appears.



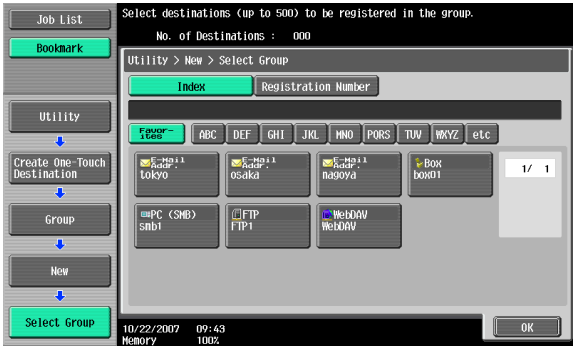
3 Touch [Name], and then type in the registration name, using the keyboard that appears.

– For details on typing in text, refer to “Entering text” on page 6-4.

4 Touch [OK].

5 Touch [Select Group].

6 Select a destination type, and then select the destination to be registered.



7 Touch [OK].

8 Touch [Close].

9 Touch [Icon], and then select an icon.

– The icons are used in the image panel function which can be operated when the optional i-Option LK-101 or i-Option LK-103 is installed.

10 Touch [OK], and then touch [OK] in the next screen that appears.

The Group destination is registered.

Detail

To check a registered destination, select it, and then touch [Check Job Set.].

To change the settings for a registered destination, select it, and then touch [Edit].

To delete a registered destination, select it, and then touch [Delete].

Note

The registration cannot be completed if no settings are specified for "Name" and "Destination".

To cancel the registration, touch [Cancel].

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

3.5 Specifying e-mail settings

The subject and message body of e-mail messages can be registered.

Subject

Up to 10 e-mail message subjects can be registered. A registered subject can be selected when sending.

1 Touch [4 E-Mail Settings] in the Create One-Touch Destination screen.

– For details on displaying the Create One-Touch Destination screen, refer to “Displaying the Create One-Touch Destination screen” on page 3-4.

2 Touch [1 E-Mail Subject].

The E-Mail Subject screen appears.

3 Touch [New].

The New screen appears.

4 Touch [Subject], and then type in the subject, using the keyboard that appears.

- For details on typing in text, refer to “Entering text” on page 6-4.
- Up to 64 characters can be entered.

5 Touch [OK].

The e-mail subject is registered.

Detail

To check a registered subject, select it, and then touch [Check Job Set.].

To change a registered subject, select it, and then touch [Edit].

To delete a registered subject, select it, and then touch [Delete].

To change the default setting, select a subject, and then touch [Set as Default].

Note

The registration cannot be completed if no setting is specified for “Subject”.

To cancel the registration, touch [Cancel].

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

E-Mail Text

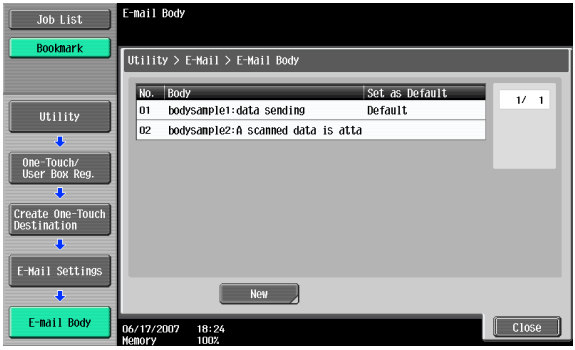
Up to 10 e-mail message body texts can be registered. A registered body text can be selected when sending.

1 Touch [4 E-Mail Settings] in the Create One-Touch Destination screen.

- For details on displaying the Create One-Touch Destination screen, refer to “Displaying the Create One-Touch Destination screen” on page 3-4.

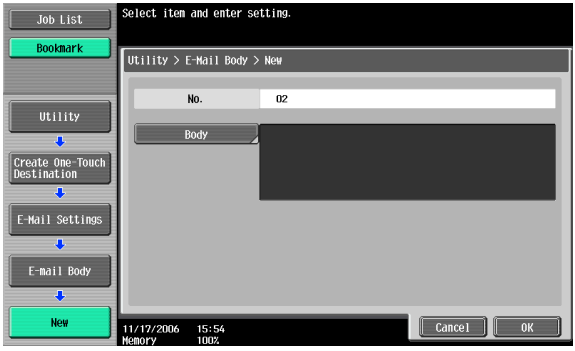
2 Touch [2 E-Mail Body].

The E-Mail Body screen appears.



3 Touch [New].

The New screen appears.



4 Touch [Body], and then type in the registration body text, using the keyboard that appears.

- For details on typing in text, refer to “Entering text” on page 6-4.
- Up to 256 characters can be entered.

5 Touch [OK].

The e-mail body text is registered.

Detail

To check registered body text, select it, and then touch [Check Job Set.].

To change a registered body text, select it, and then touch [Edit].

To delete a registered body text, select it, and then touch [Delete].

To change the default setting, select a body text, and then touch [Set as Default].

Note

The registration cannot be completed if no setting is specified for "Body".

To cancel the registration, touch [Cancel].

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

3.6 Limiting Access to Destinations

Limiting Access to Destinations

Limits can be placed on the destinations that appear for each user that is accessing them, for example, when user authentication settings have been applied. This allows a group and level to be specified for the address book destination and settings to be specified for applying limits to registered destinations.

Specifying limited access settings

Level settings can be specified for registered address book destinations, group destinations and Fax/Scan program destinations.

Detail

The level for a registered destination is "0".

The level and group cannot be set to level higher than the level specified for the user who is logged on.

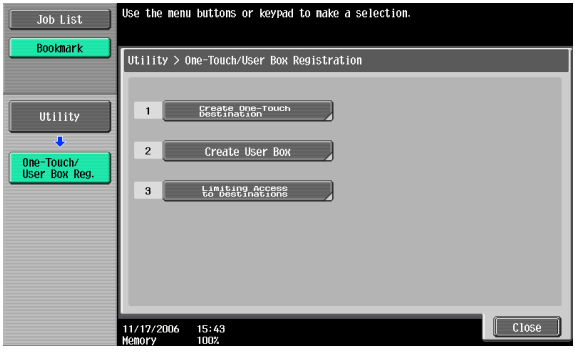
In order to specify a group for a destination, the group must first have been registered in Administrator mode. For details on the access permission groups, refer to the User's Guide [Copy Operations].

1 Log on as a user with a level that allows settings to be specified.

2 Press the [Utility/Counter] key.

3 Touch [One-Touch/User Box Registration].

4 Touch [3 Limiting Access to Destinations].

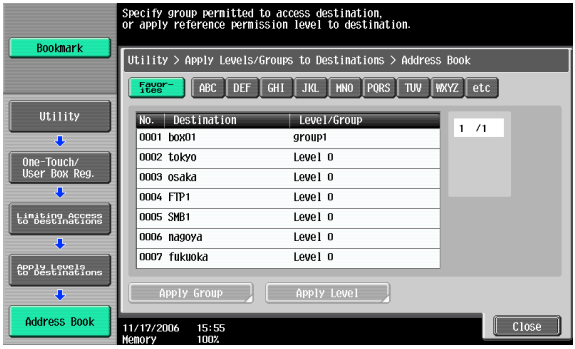


5 Touch [1 Apply Levels/Groups to Destinations].

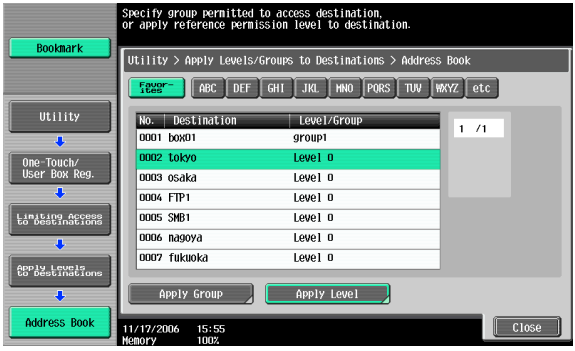
6 Select the destination type.

As an example, the following procedure describes how to specify settings for an address book destination.

7 Select the destination whose level or group is to be specified.



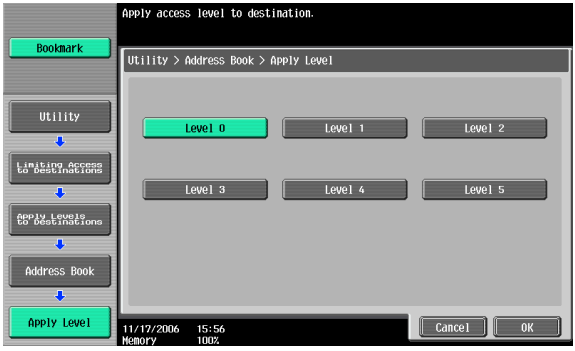
8 To specify a group, touch [Apply Group]. To specify a level, touch [Apply Level].



9 Select the group or level.

– For a group

– For a level



10 Touch [OK].

11 Touch [Close], and then touch [Close] in the next screen that appears.

3.7 Custom Display Settings

Default Tab

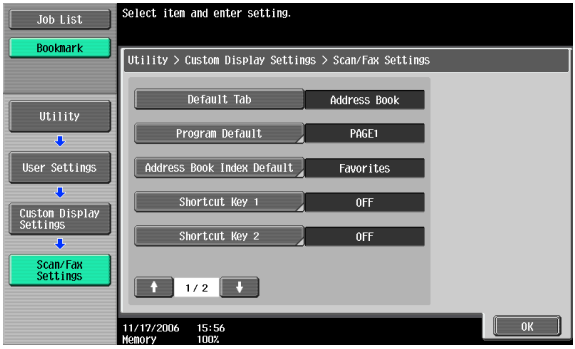
The default screen for Fax/Scan mode can be specified. (The default setting is “Address Book”.)

1 Touch [2 Custom Display Settings] in the User Settings screen.

– For details on displaying the User Settings screen, refer to “Displaying the User Settings screen” on page 3-6.

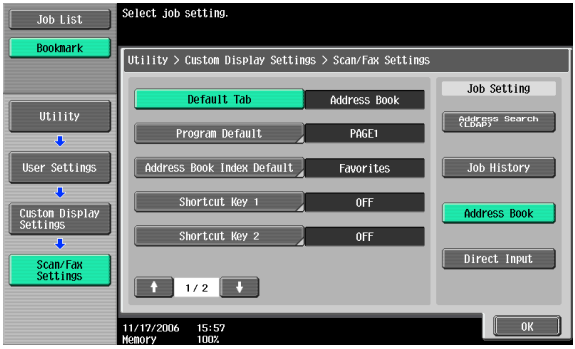
2 Touch [2 Scan/Fax Settings].

3 Touch [Default Tab].



Buttons for the available settings appear.

4 Touch the button for the desired setting.



5 Touch [OK].

Program Default

The default program screen for Fax/Scan mode can be specified.

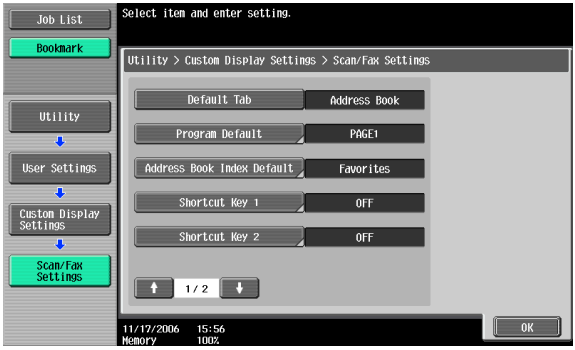
(The default setting is “PAGE 1”.)

1 Touch [2 Custom Display Settings] in the User Settings screen.

– For details on displaying the User Settings screen, refer to “Displaying the User Settings screen” on page 3-6.

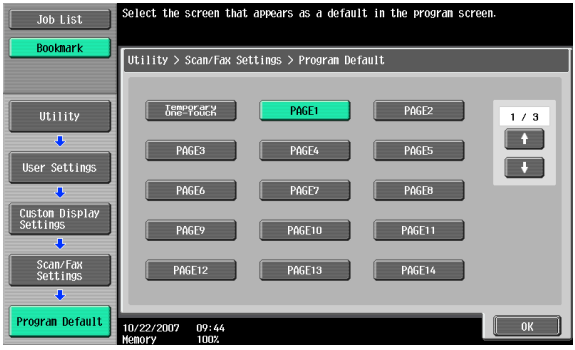
2 Touch [2 Scan/Fax Settings].

3 Touch [Program Default].



The list of available pages appears.

4 Touch [↑] and [↓] until the button for the desired page is displayed.



5 Touch [OK].

Address Book Index Default

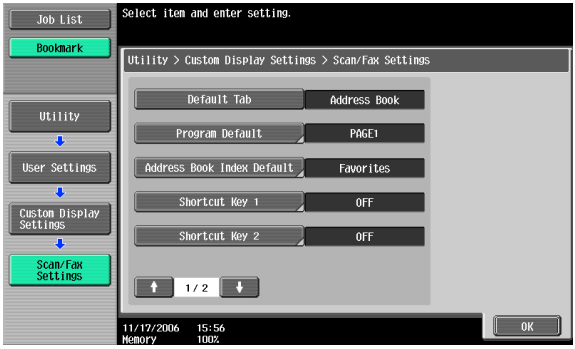
Select the index characters that appear as a default in Address Book tab. (The default setting is “Favorites”.)

1 Touch [2 Custom Display Settings] in the User Settings screen.

– For details on displaying the User Settings screen, refer to “Displaying the User Settings screen” on page 3-6.

2 Touch [2 Scan/Fax Settings].

3 Touch [Address Book Index Default].



4 Touch the button for the desired setting.

5 Touch [OK].

Shortcut Key

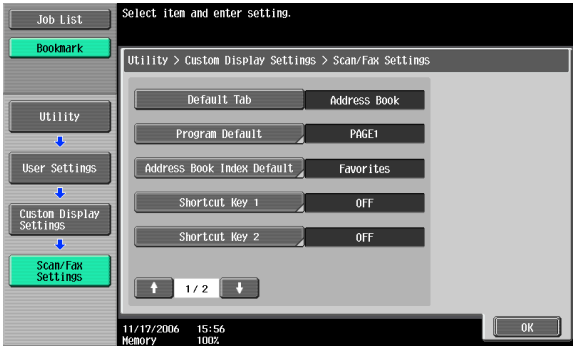
Two shortcut keys can be programmed with functions from the Scan Settings, Original Settings or Communication Settings screens to be displayed at the bottom of the screen.

1 Touch [2 Custom Display Settings] in the User Settings screen.

– For details on displaying the User Settings screen, refer to “Displaying the User Settings screen” on page 3-6.

2 Touch [2 Scan/Fax Settings].

3 Touch [Shortcut Key 1] or [Shortcut Key 2].



– Two shortcut keys can be programmed. If optional image controller IC-409 has been installed, only one shortcut key can be programmed.
– To cancel the shortcut key, touch [OFF].

4 Touch [ON], and then touch the button for the desired setting.

5 Touch [OK].

Default Address Book

Select whether the index or destination types appear as a default in the Address Book screen.

1 Touch [2 Custom Display Settings] in the User Settings screen.

– For details on displaying the User Settings screen, refer to “Displaying the User Settings screen” on page 3-6.

2 Touch [2 Scan/Fax Settings].

3 Touch [↑] or [↓], and then touch [Default Address Book].

Buttons for the available settings appear.

4 Touch the button for the desired setting.

5 Touch [OK].

Search Option Settings

Specify the settings for displaying the Search Options screen when performing a detailed search of registered destinations. Settings can be specified for the following.

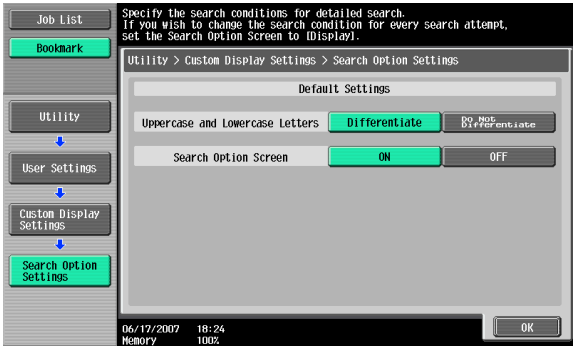
Parameter	Description
Uppercase and Lowercase Letters	Select whether to differentiate between uppercase and lowercase letters when performing a search.
Search Option Screen	Select whether or not to display the Search Options screen when performing detailed searches. If “ON” is selected, the Search Options screen is displayed.

1 Touch [2 Custom Display Settings] in the User Settings screen.

– For details on displaying the User Settings screen, refer to “Displaying the User Settings screen” on page 3-6.

2 Touch [7 Search Option Settings].

3 The Search Option Settings screen appears.



4 Touch [OK].

3.8 Scan/Fax Settings

JPEG Compression Level

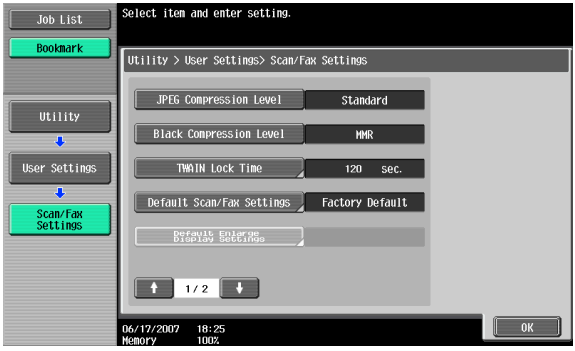
Select the compression method for saving an image in full color.

Setting	Description
High Quality	The data size will become large, but the data will be high quality.
Standard (default)	Both the data size and image quality will be between “High Quality” and “High Compression”.
High Compression	The data size will become small, but the data will be low quality.

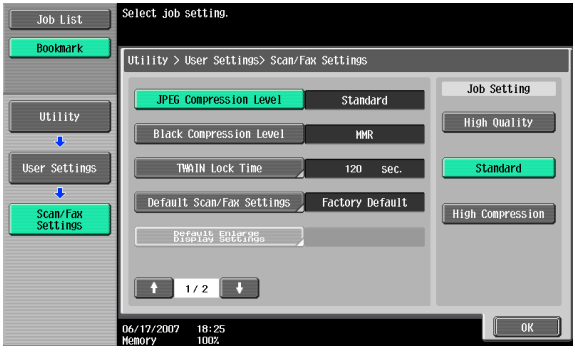
1 Touch [4 Scan/Fax Settings] in the User Settings screen.

– For details on displaying the User Settings screen, refer to “Displaying the User Settings screen” on page 3-6.

2 Touch [JPEG Compression Level].



3 Touch the button for the desired setting.



Note

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

Black Compression Level

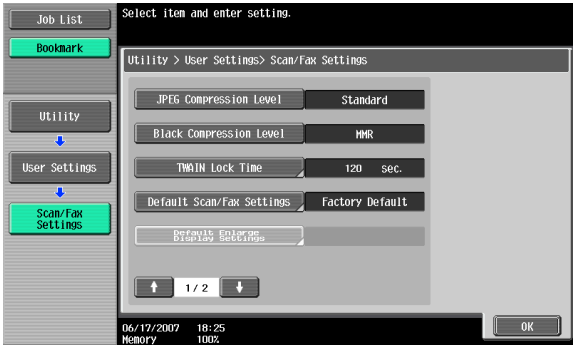
Select the compression method for saving black-and-white data.

Setting	Description
MH	The data size will become large.
MMR (default)	The data size will become small.

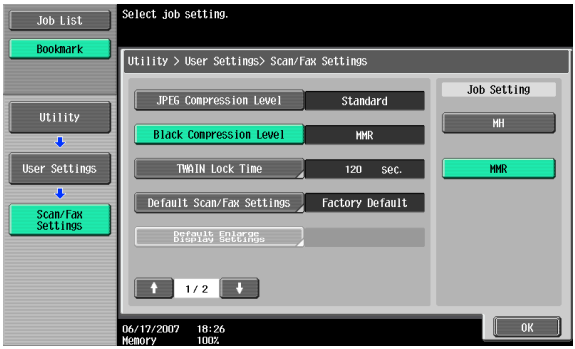
1 Touch [4 Scan/Fax Settings] in the User Settings screen.

– For details on displaying the User Settings screen, refer to “Displaying the User Settings screen” on page 3-6.

2 Touch [Black Compression Level].



3 Touch the button for the desired setting.



...

Note

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

When saved data is opened on a computer, some applications may not be able to open MMR-compressed data.

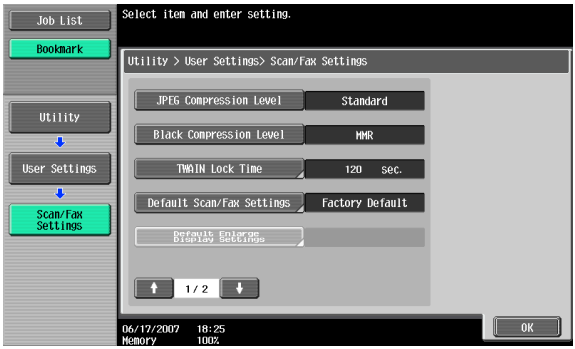
TWAIN Lock Time

Specify the length of time until the machine's operations are unlocked during scanning (except with PUSH scanning). (The default setting is 120 seconds.)

1 Touch [4 Scan/Fax Settings] in the User Settings screen.

– For details on displaying the User Settings screen, refer to "Displaying the User Settings screen" on page 3-6.

2 Touch [TWAIN Lock Time].



3 Press the [C] (clear) key to erase the value, and then use the keypad to specify the desired length of time (between 30 and 300 seconds).

– If a value outside the allowable range is specified, the message “Input error” appears. Type a value within the allowable range.

4 Touch [OK].

The TWAIN lock time is set.

...

Note

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

If optional image controller IC-409 has been installed this parameter is not available.

If access to this machine using KONICA MINOLTA TWAIN, control panel is locked. It is automatically unlocked at the specified time.

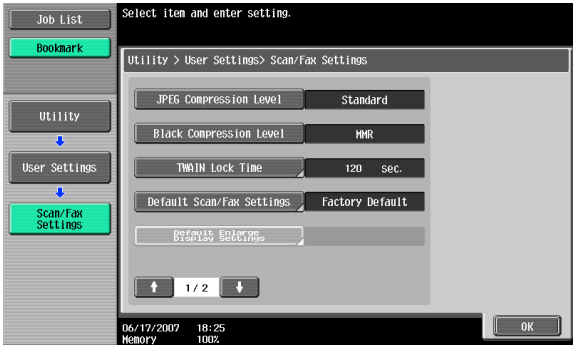
Default Scan/Fax Settings

Specify the default settings (settings selected when the [Reset] key is pressed) for the Fax/Scan mode screen.

1 Touch [4 Scan/Fax Settings] in the User Settings screen.

– For details on displaying the User Settings screen, refer to “Displaying the User Settings screen” on page 3-6.

2 Press the [Default Scan/Fax Settings] key.



3 Select the default settings.

4 Touch [OK].

...

Note

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

Compact PDF/XPS Compression Level

Select the compression method for saving data in the compact PDF format or compact XPS format.

Setting	Description
High Quality	The data size will become large, but the data will be high quality.
Standard (default)	Both the data size and image quality will be between “High Quality” and “High Compression”.
High Compression	The data size will become small, but the data will be low quality.

1 Touch [4 Scan/Fax Settings] in the User Settings screen.

– For details on displaying the User Settings screen, refer to “Displaying the User Settings screen” on page 3-6.

2 Touch [↑] or [↓], display the 2/2 screen.

3 Touch [Compact PDF/XPS Compression Level].

4 Touch the button for the desired setting.

...

Note

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or Box mode appears.

Color TIFF Type

Select the compression method used when saving TIFF data in color. If data saved with “TIFF(modified TAG)” selected cannot be opened in an application, select “TIFF(TTN2)” (default).

1 Touch [4 Scan/Fax Settings] in the User Setting screen.

– For details on displaying the User Settings screen, refer to “Displaying the User Settings screen” on page 3-6.

2 Touch [↑] or [↓], display the 2/2 screen.

3 Touch [Color TIFF Type].

4 Touch the button for the desired setting.

Note

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or User Box mode appears.

3.9 Reset Data After Job

Select whether or not the settings, such as the scanning settings specified during a transmission, are canceled after the transmission is completed. The following settings can be selected.

Setting	Description
Reset All	All parameters are returned to their default settings.
Reset Destination Only	Cancel only the destination settings.
Confirm with User	A confirmation message appears, asking whether or not to cancel the settings.

1 Touch [1 System Settings] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [9 Reset Settings].

3 Touch [3 Job Reset].

4 Touch [Next Job].

5 Touch [Reset Data After Job].

6 Touch the button for the desired setting.

...

Note

To finish specifying settings in the Utility mode, press the [Utility/Counter] key. Otherwise, exit the Utility mode by touching [Close] in each screen until the screen for the Copy, Fax/Scan or User Box mode appears.

3.10 Header/Footer Settings

Specify settings for the header/footer to be inserted on all pages. The headers/footers specified here can be used when faxing/scanning or printing.

Detail

When headers/footers are registered, [Header/Footer] is available in the screens for specifying scan and print settings.

Registering headers/footers

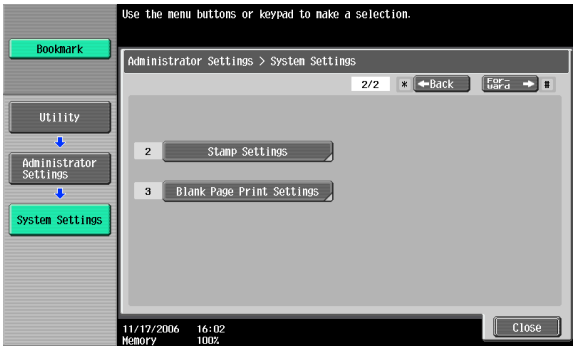
Settings can be specified for the following.

Parameter	Description
Name	Type in a name of 16 characters or less for the header/footer to be registered.
Header Settings	Select whether or not to insert a header. If a header is to be inserted, specify whether to insert text, the date/time or other information (distribution number, job number or serial number).
Footer Settings	Select whether or not to insert a footer. If a header is to be inserted, specify whether to insert text, the date/time or other information (distribution number, job number or serial number).
Pages	Select the pages where the header/footer is to be inserted (either all pages or 1st page only).
Text Color	Select the text color (black, red, blue, green, yellow, cyan and magenta).
Text Size	Select the size (8pt,10pt,12pt or 14pt) in which text is printed.

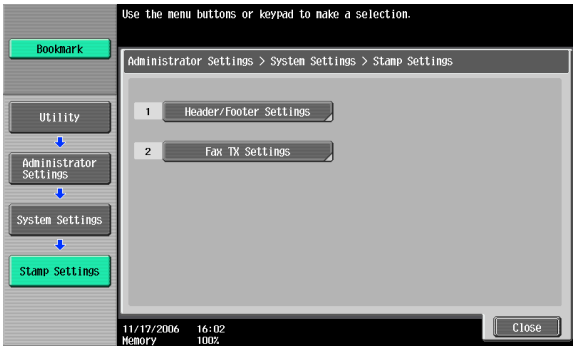
1 Touch [1 System Settings] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [Forward→], and then touch [2 Stamp Settings].

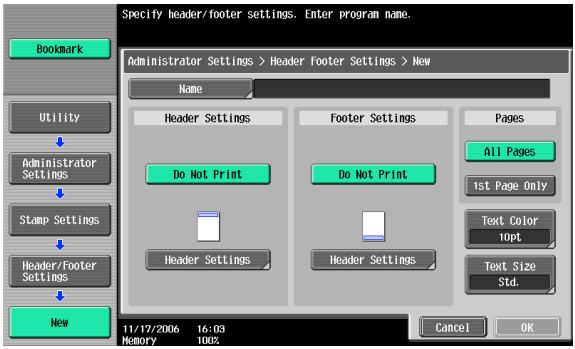


3 Touch [1 Header/Footer Settings].



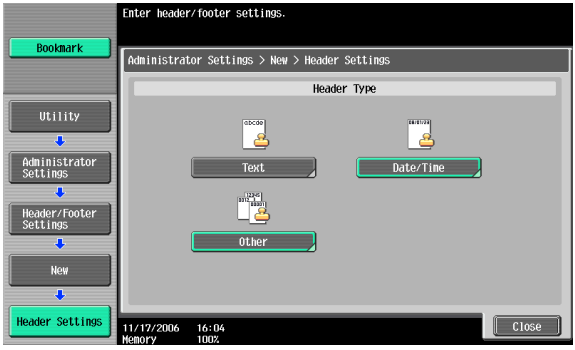
4 Touch [New].

5 Specify the name of the header/footer to be registered. Touch [Name].



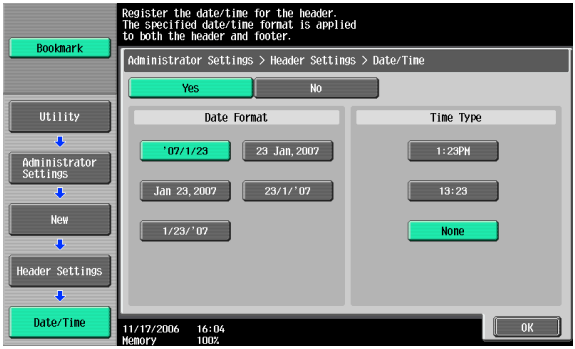
6 Type in the name, and then touch [OK].

7 Specify the header/footer settings. Touch [Header Settings] or [Footer Settings], and then specify the header/footer settings.

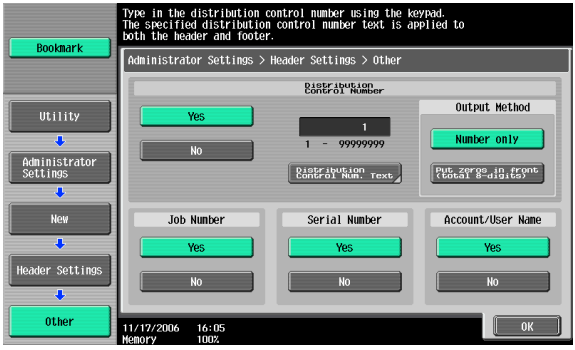


– Text

– Date/Time



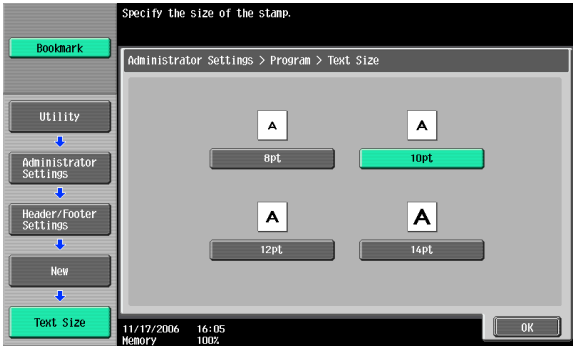
– Other



8 Specify the settings for the pages to be printed on, the text color and the text size.

– Text Color

– Text Size



– To cancel the registration, touch [Cancel] to return to the Header/Footer Settings screen.

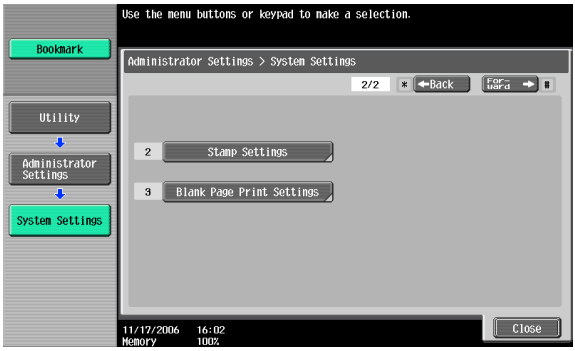
9 Touch [OK].

Deleting headers/footers

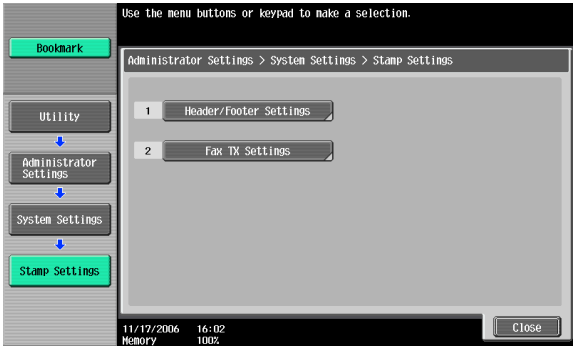
1 Touch [1 System Settings] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [Forward→], and then touch [2 Stamp Settings].

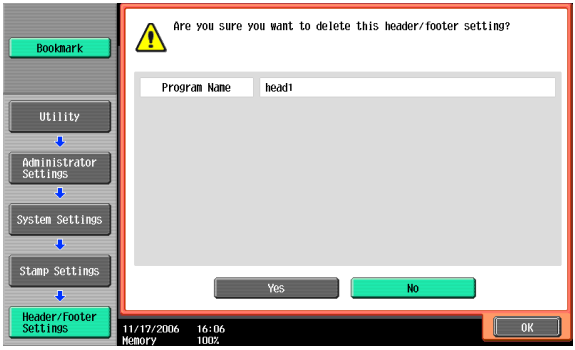


3 Touch [1 Header/Footer Settings].



4 Touch the button for the header/footer to be deleted, and then touch [Delete].

5 Check the message, touch [Yes] to delete the header/footer, and then touch [OK].



3.11 Printing registered destination lists

The registered destinations, titles and text can be printed as lists.

The following lists can be printed.

Item	Description
Address Book List	Prints the information for up to 100 destinations for the selected destination type.
Group List	Prints the information for up to 20 group destinations.
Program List	Prints the information for up to 50 destinations for the selected Scan/Fax program number and destination type.
E-Mail Subject/ Text List	Prints the registered e-mail message subjects and body text.

Address Book List

Prints the information for up to 100 destinations for the selected destination type.

Settings can be specified for the following before printing.

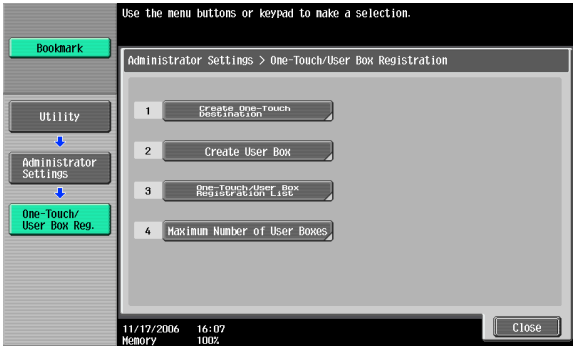
Parameter	Description
Starting Destination No.	Use the keypad to type in the destination number where printing starts.
Number of Destinations	Use the keypad to type in the number of destinations to be printed. (Range: 1 to 100)
Print Destination List by Type	Select the type of destinations to be printed in the list.

Note

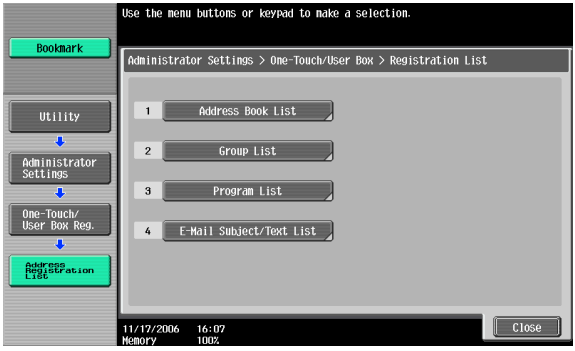
For details on displaying the Administrator Settings screen, refer to "Displaying the Administrator Settings screen" on page 3-7.

1 Touch [3 One-Touch Destination/User Box Registration] in the Administrator Settings screen.

2 Touch [3 One-Touch/User Box Registration List] in the One-Touch/ User Box Registration screen.

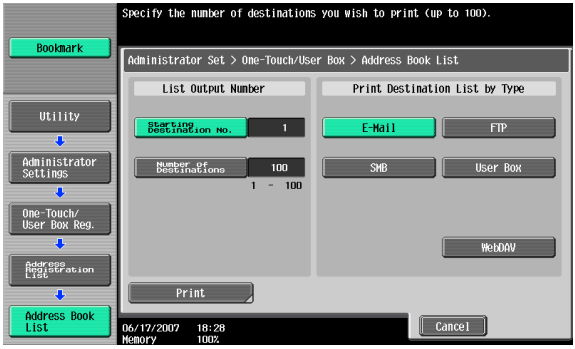


3 Touch [1 Address Book List].



4 Specify the settings, and then touch [Print].

– To cancel printing, touch [Cancel].



Group List

Prints the information for up to 20 group destinations.

Settings can be specified for the following before printing.

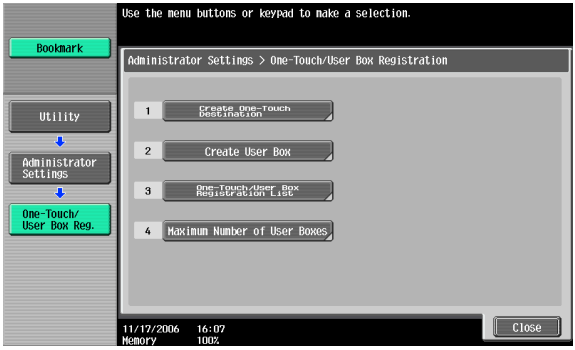
Parameter	Description
Starting Destination No.	Use the keypad to type in the destination number where printing starts.
Number of Destinations	Use the keypad to type in the number of destinations to be printed. (Range: 1 to 20)

Note

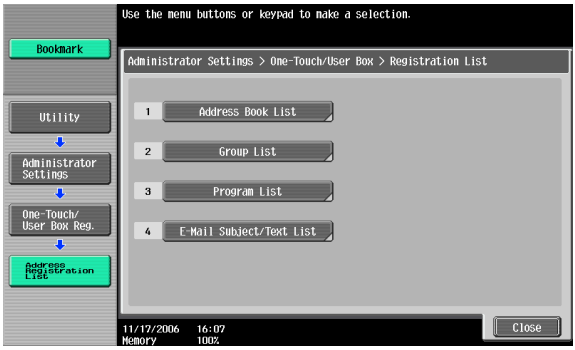
For details on displaying the Administrator Settings screen, refer to "Displaying the Administrator Settings screen" on page 3-7.

1 Touch [3 One-Touch Destination/User Box Registration] in the Administrator Settings screen.

2 Touch [3 One-Touch/User Box Registration List] in the One-Touch/User Box Registration screen.

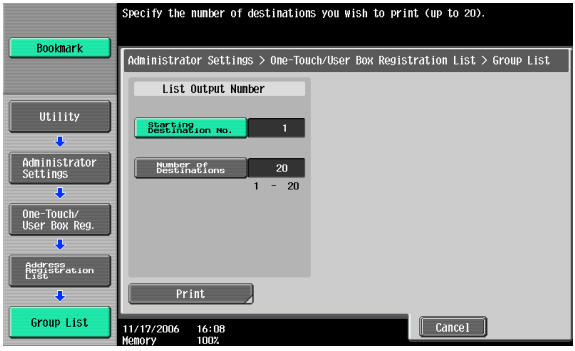


3 Touch [2 Group List].



4 Specify the settings, and then touch [Print].

– To cancel printing, touch [Cancel].



Program List

Prints the information for up to 50 destinations for the selected Scan/Fax program number and destination type.

Settings can be specified for the following before printing.

Parameter	Description
Starting Destination No.	Use the keypad to type in the destination number where printing starts.
Number of Destinations	Use the keypad to type in the number of destinations to be printed. (Range: 1 to 50)
Print Destination List by Type	Select the type of destinations (One-Touch, Group or Direct) to be printed in the list. If “Direct” is selected, select the destination type.

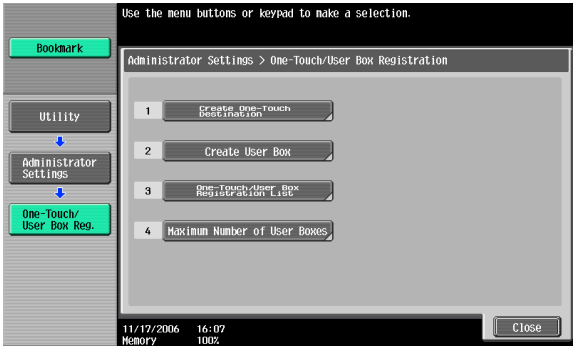
...

Note

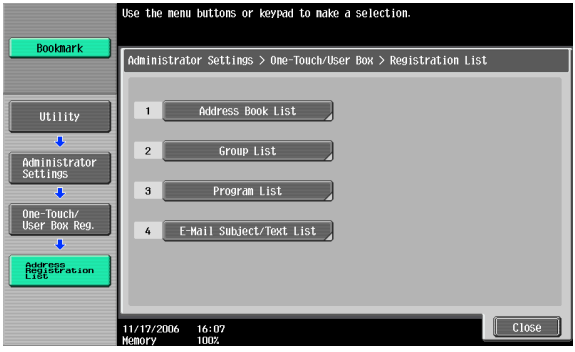
For details on displaying the Administrator Settings screen, refer to "Displaying the Administrator Settings screen" on page 3-7.

1 Touch [3 One-Touch Destination/User Box Registration] in the Administrator Settings screen.

2 Touch [3 One-Touch/User Box Registration List] in the One-Touch/User Box Registration screen.

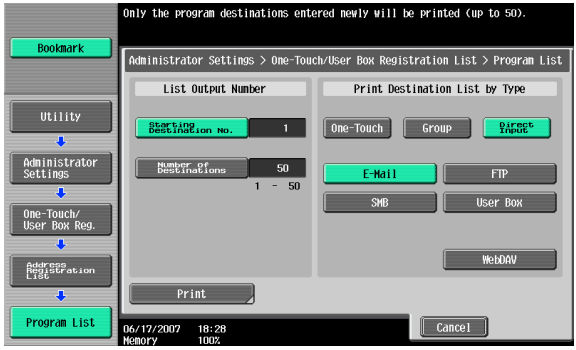


3 Touch [3 Program List].



4 Specify the settings, and then touch [Print].

– To cancel printing, touch [Cancel].



E-Mail Subject/Text List

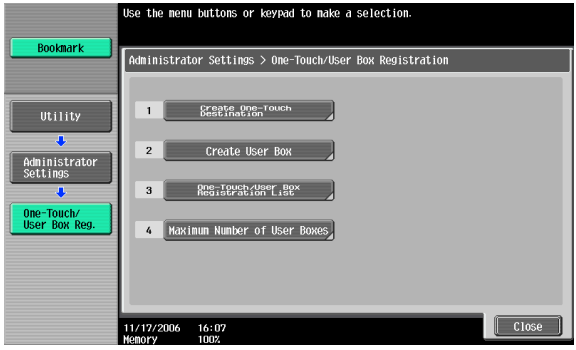
Prints the registered e-mail message subjects and body text.

Note

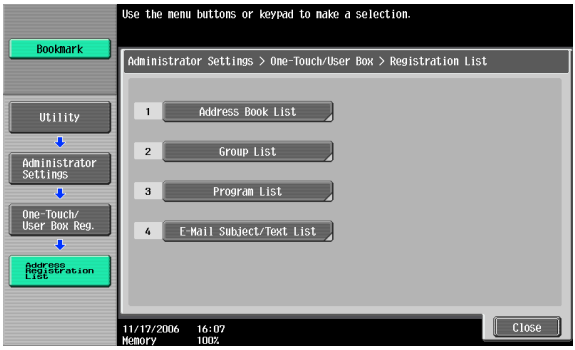
For details on displaying the Administrator Settings screen, refer to "Displaying the Administrator Settings screen" on page 3-7.

1 Touch [3 One-Touch Destination/User Box Registration] in the Administrator Settings screen.

2 Touch [3 One-Touch/User Box Registration List] in the One-Touch/ User Box Registration screen.

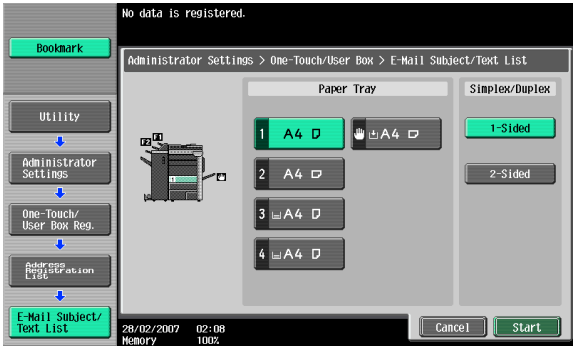


3 Touch [4 E-Mail Subject/Text List].

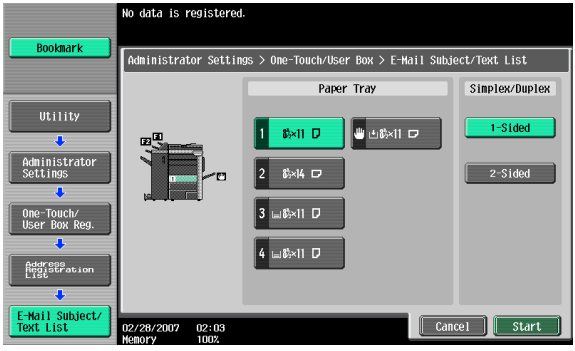


4 Select the desired Paper Tray and Simplex/Duplex settings, and then touch [Start].

– To cancel printing, touch [Cancel].
European model (Metric)



North American model (Inch)



3.12 Open API Settings

Select whether or not the interface is open to software with a function for communicating with the machine. The settings for “Access Setting”, “Port Number”, “SSL” and “Authentication” for Open API can be changed.

Note

If authentication is performed with PageScope Authentication Manager, specify the SSL/TLS settings, and then enable the “SSL” of the TCP Socket and OpenAPI settings.

For details on the TCP Socket settings, refer to “TCP Socket Settings” on page 4-109.

Access Setting

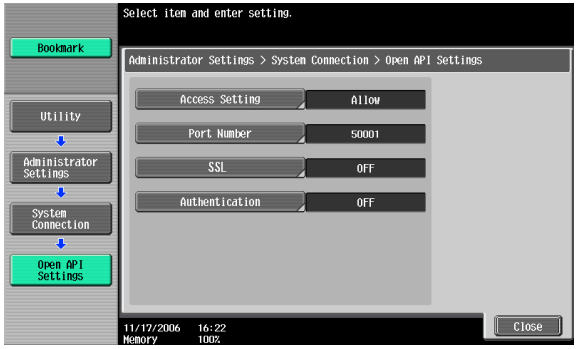
Select whether or not to permit access from other systems that use Open API. (The default setting is “Allow”.)

1 Touch [System Connection] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [1 Open API Settings] in the System Connection screen.

3 Touch [Access Setting] in the Open API Settings screen.



Buttons for the available settings appear.

4 Touch the button for the desired setting.

– To permit access using Open API, touch [Allow].
– To prohibit access using Open API, touch [Restrict].

Access using Open API is set to be permitted or prohibited.

5 Touch [OK].

Port Number

Specify the port number that other systems access using Open API. (The default port number is 50001, and the default SSL port number is 50003.)

...

Note

For details on displaying the Administrator Settings screen, refer to "Displaying the Administrator Settings screen" on page 3-7.

In order to specify a port number for SSL communication, a certificate must first be installed from PageScope Web Connection. For details, refer to the User's Guide [PageScope Web Connection Operations].

1 Touch [System Connection] in the Administrator Settings screen.

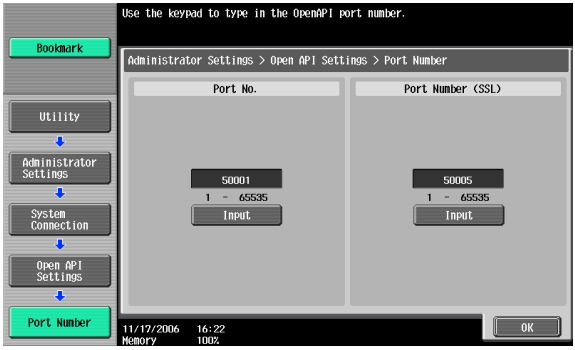
2 Touch [1 Open API Settings] in the System Connection screen.

3 Touch [Port Number] in the Open API Settings screen.

The Port Number screen appears.

4 Press the [C] (clear) key to erase the value, and then use the keypad to specify the desired port number (between 1 and 65535).

– If a value outside the allowable range is specified, the message “Input error” appears. Type a value within the allowable range.
When SSL settings are specified



5 Touch [OK].

The port number that other systems access using Open API is specified.

SSL

Select whether or not to encrypt with SSL access from other systems that use Open API. (The default setting is “OFF”.)

Note

For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

In order to specify a port number for SSL communication, a certificate must first be installed from PageScope Web Connection. For details, refer to the User’s Guide [PageScope Web Connection Operations].

1 Touch [System Connection] in the Administrator Settings screen.

2 Touch [1 Open API Settings] in the System Connection screen.

3 Touch [SSL] in the Open API Settings screen.

4 Touch the button for the desired setting.

SSL encryption is enabled or disabled.

Authentication

Select whether or not to use authentication for access from other systems that use Open API. If authentication is used, the logon name and password can be specified. (The default setting is “OFF”.)

Detail

If authentication is performed with PageScope Authentication Manager and print jobs are sent from printer driver, set “Authentication” to “OFF”.

Note

For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

1 Touch [System Connection] in the Administrator Settings screen.

2 Touch [1 Open API Settings] in the System Connection screen.

3 Touch [Authentication] in the Open API Settings screen.

The Authentication screen appears.

4 Touch the button for the desired Authentication setting.

– If “ON” was selected, continue with step 5 to specify the logon name and password.

– If “OFF” was selected, continue with step 9.

5 Touch [Login Name].

6 Type in the logon name (up to 8 characters long), and then touch [OK].

– For details on typing in text, refer to “Entering text” on page 6-4.

The logon name is set.

7 Touch [Password].

8 Type in the password (up to 8 characters long), and then touch [OK].

The password is set.

9 Touch [OK].

Authentication for using Open API is set.

4 Network Settings

4 Network Settings

4.1 Available Network Settings parameters

The Network Settings parameters are specified from the Administrator Settings screen. For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

The following parameters are available from the Network Settings screen.

Parameter	Description	Page reference
TCP/IP Settings	Specify the address and host settings on the network.	“TCP/IP Settings” on page 4-17
NetWare Settings	Specify settings for printing using NetWare.	“NetWare Settings” on page 4-39
http Server Settings	Specify the http server settings.	“http Server Settings” on page 4-46
FTP Settings	Specify settings for performing FTP transmissions.	“FTP Settings” on page 4-53
SMB Settings	Specify settings for the SMB client, printing and WINS.	“SMB Settings” on page 4-57
LDAP Settings	Specify the server to be connected to when using an LDAP server.	“LDAP Settings” on page 4-64 “Setting Up LDAP” on page 4-65 “Default Search Settings” on page 4-72
E-Mail Settings	Specify settings for sending and receiving e-mail.	“E-Mail TX (SMTP)” on page 4-74 “E-Mail RX (POP)” on page 4-85 “S/MIME Communication Settings” on page 4-91
SNMP Settings	Specify the settings for using SNMP.	“SNMP Settings” on page 4-96
AppleTalk Settings	Specify the settings for using AppleTalk.	“AppleTalk Settings” on page 4-107
Bonjour Settings	Specify the settings for using Bonjour.	“Bonjour Settings” on page 4-108
TCP Socket Settings	Specify the settings for using TCP socket.	“TCP Socket Settings” on page 4-109
WebDAV Client Settings	Specify the machine settings for sending WebDAV transmissions.	“WebDAV Client Settings” on page 4-113
WebDAV Server Settings	Specify the settings necessary to use this machine as a WebDAV server.	“WebDAV Server Settings” on page 4-116

Parameter	Description	Page reference
Web Service Settings	Specify the settings for printing and scanning using Web Service.	“Web Service Settings” on page 4-117
Detail Settings	Specify other settings for the network connection.	“Device Setting” on page 4-120 “Time Adjustment Setting” on page 4-122 “Status Notification Setting” on page 4-125 “Total Counter Notification Settings” on page 4-133 “PING Confirmation” on page 4-138 “SLP Setting” on page 4-140 “LPD Setting” on page 4-141 “Prefix/Suffix Setting” on page 4-142 “Action for Invalid Certificate” on page 4-146

Detail

Network settings can also be specified by using PageScope Web Connection.

Since some settings can only be specified with PageScope Web Connection, refer to the User’s Guide [PageScope Web Connection Operations].

4.2 Network settings with external server authentication

In order to use an external server to perform user authentication, various settings must be specified according to the server to be used. Specify the settings according to the procedures described below.

Specify the external server authentication settings according to the network environment being used.

Setting	Description (reference)
Active Directory	Select this setting when using Window 2000 Server or 2003 Server.
NTLM v1 NTLM v2	Select this setting when using Window NT 4.0 Server. NTLMv2 is applied from Windows NT 4.0 (Service Pack 4).
NDS	Select this setting when using NetWare 5.1 or NetWare 6.0.
LDAP	Select this setting when using an LDAP server.

Detail

If "Active Directory" was selected for external server authentication, specify a password of one or more characters. If no password is specified, authentication will fail.

Do not use """ or "+" in the external server password. For details on the operating conditions of the external server, contact the network administrator.

If "Password Rules" is set to "Enable", only a password with 8 digits can be specified. For details on the password rules, refer to the User's Guide [Copy Operations].

A maximum of 20 external servers can be registered.

If external server authentication was selected, [Server Name] appears in the user authentication screen so that logon is possible by selecting a server from those that are registered.

...

Note

The specifications of the operating system may have changed, or a new operating system may have been released. For details, refer to the manual for the operating system.

When SSL is installed

If external server authentication is specified while SSL is installed, “TCP Socket Settings” changes to “Screen of the SSL Settings”. After specifying settings for external server authentication, be sure to turn the machine off, then on again.

Using Active Directory

Before performing the operation, make sure that the following information is available.

- Administrator password (required)
- IP address of this machine (required)
- Subnet mask (required)
- Default gateway
- Priority DNS server address (required)
- Alternate DNS server address 1
- Alternate DNS server address 2
- Default DNS domain name
- DNS host name
- Default domain name for Active Directory (required)
- IP address of the NTP server (time adjustment)
- List of users for authentication (required)

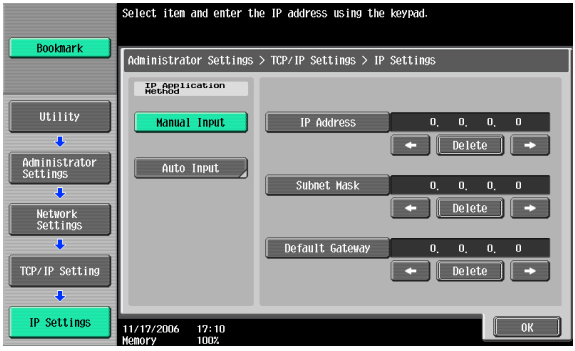
1 Display the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [Network Setting], then [TCP/IP Settings], then [IP Settings], and then specify settings for the following.

– IP Address
– Subnet Mask
– Default Gateway

– For details on the TCP/IP settings, refer to “TCP/IP Settings” on page 4-17.

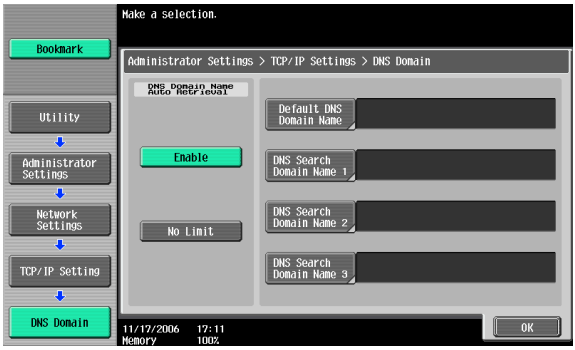


3 Touch [Network Setting], then [TCP/IP Settings], then [DNS Host], and then specify settings for the following.

– Set “Dynamic DNS Settings” to “Enable”. Set “Dynamic DNS Settings” to “Enable” only when necessary.
– DNS Host Name

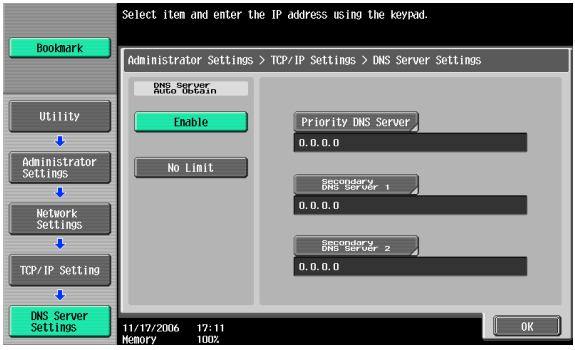
4 Touch [Network Setting], then [TCP/IP Settings], then [DNS Domain], and then specify settings for the following.

– Default DNS Domain Name



5 Touch [Network Setting], then [TCP/IP Settings], then [DNS Server Settings], and then specify settings for the following.

– Priority DNS Server
– Secondary DNS Server 1
– Secondary DNS Server 2
– Specify a DNS server linked to Active Directory.



6 Touch [Administrator Settings], then [User Authentication/Account Track], then [External Server Settings], and then specify settings for the following.

– Register an external server.
– Specify the server name.

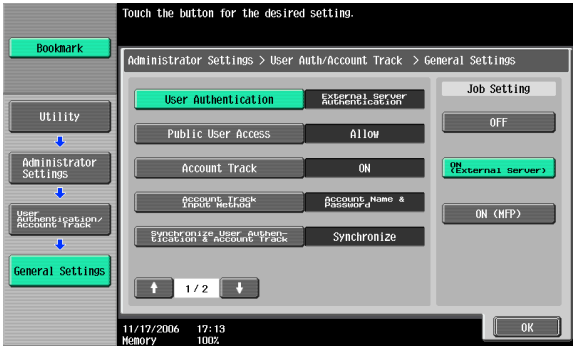
– Select “Active Directory” as the server type.

– Specify the default domain name.

7 Touch [Administrator Settings], then [User Authentication/Account Track], then [User Authentication], and then specify settings for the following.

– Set “User Authentication” to “External Server Authentication”.

– For details on the user authentication and account track settings, refer to the User's Guide [Copy Operations].



8 Touch [Administrator Settings], then [1 System Settings], then [3 Date/Time Setting], and then specify settings for the following.

– For details on specifying the date and time settings, refer to the User's Guide [Copy Operations].
– Specify the current time and the time zone.
– If the settings for the NTP server (time adjustment) are specified, the time on this machine can be set correctly through the network. For details, refer to "Time Adjustment Setting" on page 4-122.
– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

Using NTLM v1 and NTLM v2

Before performing the operation, make sure that the following information is available.

- Administrator password (required)
- Default domain name (required)
- List of users for authentication (required)

Detail

Do not use “"” or “+” in the external server password. For details on the operating conditions of the external server, contact the network administrator.

If “Password Rules” is set to “Enable”, only a password with 8 digits can be specified. For details on the password rules, refer to the User’s Guide [Copy Operations].

Note

NTLMv2 is applied from Windows NT 4.0 (Service Pack 4).

1 Display the Administrator Settings screen.

- For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

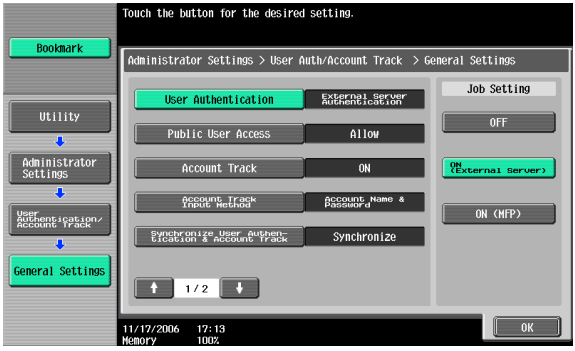
2 Touch [Administrator Settings], then [User Authentication/Account Track], then [External Server Settings], and then specify settings for the following.

- Register an external server.
- Specify the server name.
- Select “NTLM v1” or “NTLM v2” as the server type.

– Specify the default domain name.
– Type the default domain name in uppercase letters.

3 Touch [Administrator Settings], then [User Authentication/Account Track], then [User Authentication], and then specify settings for the following.

– For details on the user authentication and account track settings, refer to the User's Guide [Copy Operations].
– Set "User Authentication" to "External Server Authentication".
– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.



Using Novell NDS

Before performing the operation, make sure that the following information is available. The settings can be specified with Novell NDS Netware Server version 4.0 or later.

- Administrator password (required)
- Default NDS tree name (required)
- Default NDS context name (required)
- List of users for authentication (required)

Detail

Do not use “"” or “+” in the external server password. For details on the operating conditions of the external server, contact the network administrator.

If “Password Rules” is set to “Enable”, only a password with 8 digits can be specified. For details on the password rules, refer to the User’s Guide [Copy Operations].

NDS can be used only when IPX is used as the protocol. NDS cannot be used when IP is used.

1 Display the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

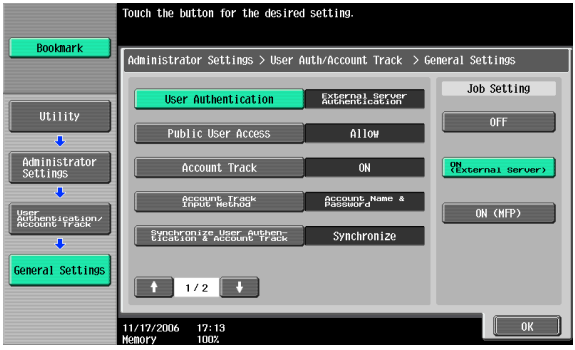
2 Touch [Administrator Settings], then [User Authentication/Account Track], then [External Server Settings], and then specify settings for the following.

– Register an external server.
– Specify the server name.
– Select “NDS” as the server type.

– Specify the tree name and context name for the NDS server.

3 Touch [Administrator Settings], then [User Authentication/Account Track], then [User Authentication], and then specify settings for the following.

– For details on the user authentication and account track settings, refer to the User's Guide [Copy Operations].
– Set "User Authentication" to "External Server Authentication".
– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.



Using LDAP

Before performing the operation, make sure that the following information is available.

- Administrator password (required)
- LDAP server address (required)
- Search base information (required)
- Port number (required)
- Timeout time (required)
- Authentication method (required)
- Logon attributes (required)
- List of users for authentication (required)

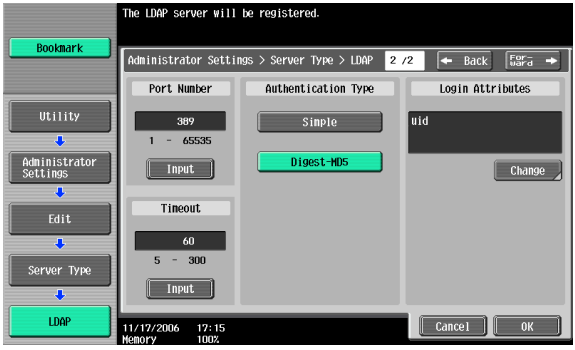
1 Display the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [Administrator Settings], then [User Authentication/Account Track], then [External Server Settings], and then specify settings for the following.

– Register an external server.
– Specify the server name.
– Select “LDAP” as the server type.

– Specify the details for the LDAP server.



3 Touch [Administrator Settings], then [User Authentication/Account Track], then [User Authentication], and then specify settings for the following.

– For details on the user authentication and account track settings, refer to the User's Guide [Copy Operations].
– Set "User Authentication" to "External Server Authentication".

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

4.3 TCP/IP Settings

Settings can be specified in order to use this machine in a TCP/IP network environment.

Reminder

In order apply all changes to the network settings, this machine must be turned off, then on again.

When the machine is turned off, then on again with the main power switch, wait at least 10 seconds to turn on the machine after turning it off; otherwise, the machine may not function correctly.

Detail

If "DHCP Settings" is set to "ON", [IP Address], [Subnet Mask] and [Default Gateway] are not available.

When a DHCP server is used, the IP address, subnet mask and default gateway are automatically assigned by the DHCP server; therefore, it is not necessary to assign them manually. However, note the following points.

Check with the network administrator that the DHCP server is available. If a DHCP server is not available, be sure to specify settings for "IP Address", "Subnet Mask" and "Default Gateway".

If the IP address and other settings have been assigned by the DHCP server, they may automatically be changed. If this happens, it may no longer be possible to specify this machine on the network by its IP address. If "DHCP Settings" is set to "ON", it is recommended that the IP address assigned to the machine be fixed by configuring the DHCP server.

For details on displaying the Administrator Settings screen, refer to "Displaying the Administrator Settings screen" on page 3-7.

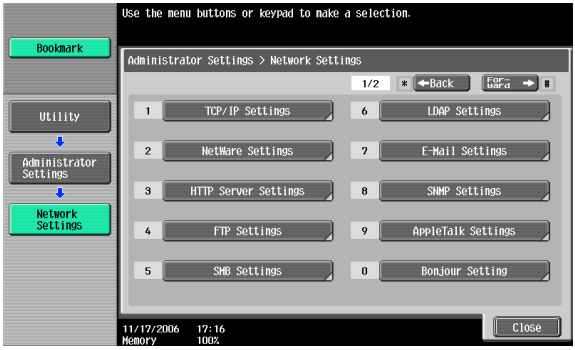
Note

To exit Utility mode, press the [Utility/Counter] key or the [Reset] key.

Displaying the TCP/IP Settings screen

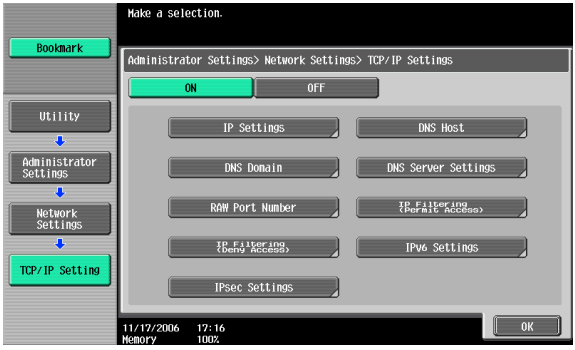
1 Touch [5 Network Setting] in the Administrator Settings screen.

2 Touch [1 TCP/IP Settings] in the Network Settings screen.



3 Touch [ON].

The parameters of the TCP/IP settings appear.



IP Settings

Select the method for specifying the machine's IP address or type in the address directly. Settings can be specified for the following.

Parameter	Description
IP Application Method	Select whether to directly specify a fixed IP address (Manual Input) or to automatically retrieve the IP address (Auto Input).
IP Address	If "Manual Input" was selected, specify the IP address of the machine. Use the keypad to type in the address.
Subnet Mask	If "Manual Input" was selected, specify the subnet mask for the network to be connected. Use the keypad to type in the address.
Default Gateway	If "Manual Input" was selected, specify the default gateway for the network to be connected.

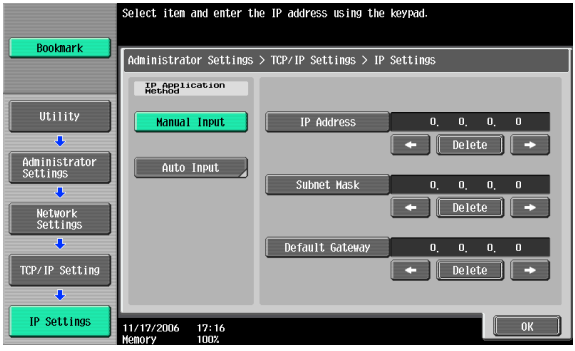
Note

Use the keypad to type in the address.

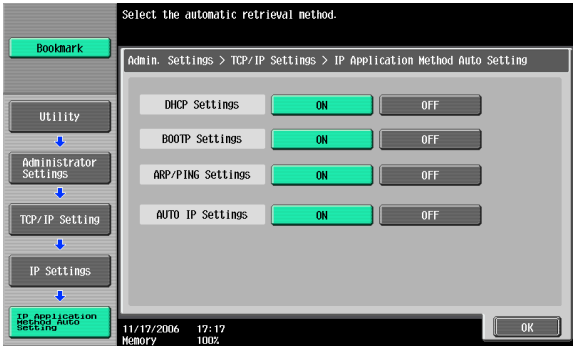
To clear the entered address, press the [C] (clear) key.

1 Touch [IP Settings] in the TCP/IP Settings screen.

2 Specify the desired settings.



– If “Auto Input” was selected under “IP Application Method”, select the method for automatically assigning the settings, and then touch [OK].



3 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

DNS Host

Specify dynamic DNS settings. Settings can be specified for the following.

Parameter	Description
Dynamic DNS Settings	Select whether or not dynamic DNS is enabled when the DNS server being used is compatible with dynamic DNS functions.
DNS Host Name	Use the keyboard that appears in the touch panel to type in the host name (254 characters or less) for the machine.

1 Touch [DNS Host] in the TCP/IP Settings screen.

2 Specify the desired settings.

– To enter a host name, touch [DNS Host Name], and then type in the DNS host name, using the keyboard that appears.
– To clear the entered DNS host name, press the [C] (clear) key.

3 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

DNS Domain

Specify the DNS domain name. Settings can be specified for the following.

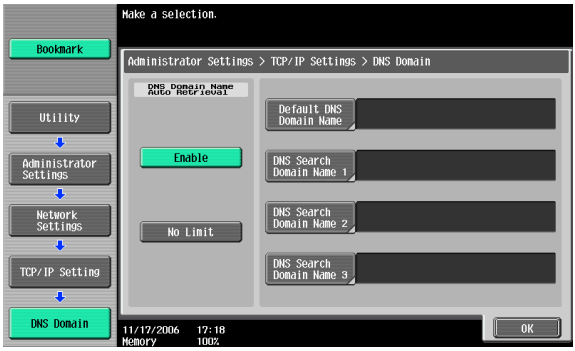
Parameter	Description
DNS Domain Name Auto Retrieval	Select whether or not the name of the DNS domain is automatically acquired.
Default DNS domain name	Type in the default DNS domain name. Use the keyboard that appears in the touch panel to type in the domain name (253 characters or less).
DNS Search Domain Name 1 to 3	Type in the DNS search domain name. Use the keyboard that appears in the touch panel to type in the domain name (253 characters or less).

Note

Be sure to type in the host name and domain names so that they total no more than 254 characters.

1 Touch [DNS Domain] in the TCP/IP Settings screen.

2 Specify the desired settings.



– To enter a DNS host name, select the domain name to be entered, and then type in the domain name, using the keyboard that appears.

– To clear the entered domain name, press the [C] (clear) key.

3 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

DNS Server Settings

Specify the DNS server name. Settings can be specified for the following.

Parameter	Description
DNS Server Auto Obtain	Select whether or not the DNS server is automatically acquired.
Priority DNS Server	Specify the address of the DNS server given priority. Use the keypad to type in the address.
Secondary DNS Server 1	Specify the address of an alternate DNS server. Use the keypad to type in the address.
Secondary DNS Server 2	Specify the address of an alternate DNS server. Use the keypad to type in the address.

Note

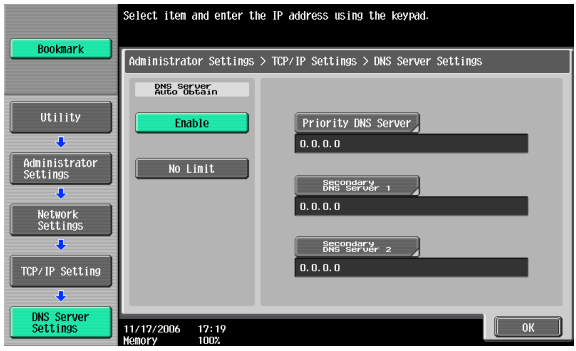
IPv4 or IPv6 can be selected for entering the IP address of the DNS server.

Detail

If "Active Directory" is specified as the LDAP server and "GSS-SPNEGO" is selected as the authentication method, specify the DNS server linked with Active Directory with the DNS Server Settings parameters for this machine. In addition, specify the date and time for the machine.

1 Touch [DNS Server Settings] in the TCP/IP Settings screen.

2 Specify the desired settings.



3 To enter the server address, select the server to be entered, and then type in the address.

- Use the keypad to type in the address.
- To correct the entered numbers, touch [←] or [→] to move the cursor to the character to be changed, touch [Delete], and then type in the desired number.
- To clear the entered address, press the [C] (clear) key.
- With IPv4

– With IPv6

4 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

RAW Port Number

Specify the number of the RAW port used by the printer. By selecting multiple ports as printers, multiple data can be received at the same time.

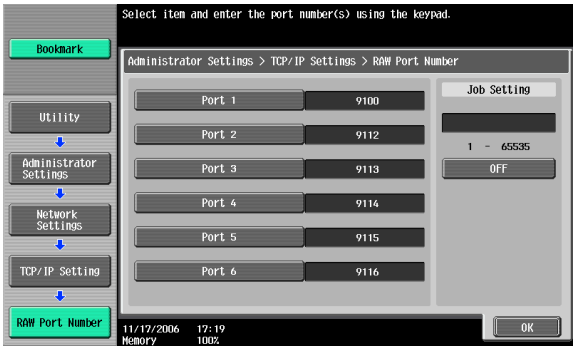
Note

When a RAW port is used, set "Spool Print Jobs in HDD before RIP" to "ON". If "OFF" is selected, a timeout may occur.

For details on "Spool Print Jobs in HDD before RIP", refer to the User's Guide [Print Operations].

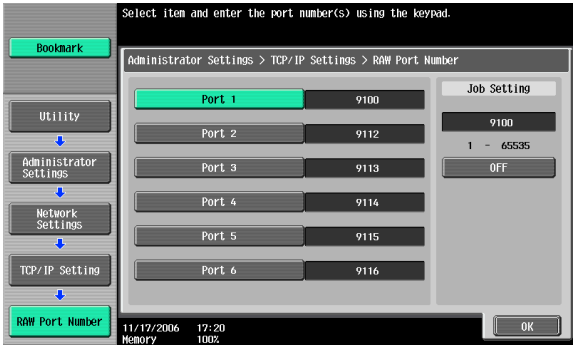
1 Touch [RAW Port Number] in the TCP/IP Settings screen.

2 Touch the button for the desired port.



3 To use the selected port, press the [C] (clear) key to erase the value, and then use the keypad to type in the RAW port number (between 1 and 65535).

- If a value outside the allowable range is specified, the message “Input error” appears. Type a value within the allowable range.
- To not use the port, touch [OFF].



4 Touch [OK].

- To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The use of RAW ports and the RAW port numbers are specified.

IP Filtering (Permit Access)

Specify the range of IP addresses permitted access.

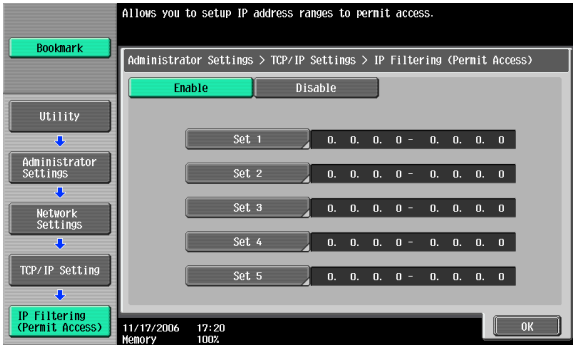
Note

0.0.0.0 cannot be included in a specified range. For example, to specify the range of addresses before 192.168.1.20, specify the range from "0.0.0.1" to "192.168.1.20".

A maximum of five ranges of permitted IP addresses can be specified.

1 Touch [IP Filtering (Permit Access)] in the TCP/IP Settings screen.

2 To specify permitted access, touch [Enable].



Specify the range of IP addresses permitted access.

3 Select a range, and then type in the IP addresses.

- Use the keypad to type in the address.
- To correct the entered numbers, touch [←] or [→] to move the cursor to the character to be changed, touch [Delete], and then type in the desired number.

– To clear the entered address, press the [C] (clear) key.

4 Touch [OK], and then touch [OK] in the next screen that appears.

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

IP Filtering (Deny Access)

Specify the range of IP addresses denied access.

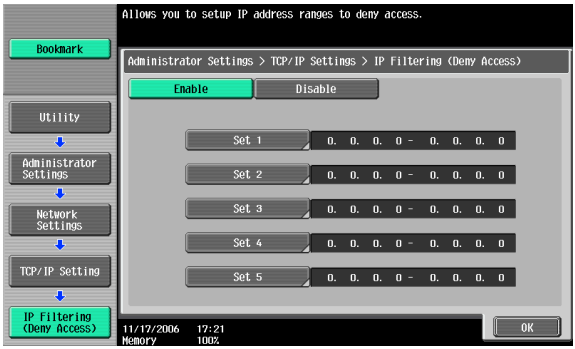
Note

0.0.0.0 cannot be included in a specified range. For example, to specify the range of addresses before 192.168.1.20, specify the range from "0.0.0.1" to "192.168.1.20".

A maximum of five ranges of denied IP addresses can be specified.

1 Touch [IP Filtering (Deny Access)] in the TCP/IP Settings screen.

2 To specify denied access, touch [Enable].



Specify the range of IP addresses denied access.

3 Select a range, and then type in the IP addresses.

- Use the keypad to type in the address.
- To correct the entered numbers, touch [←] or [→] to move the cursor to the character to be changed, touch [Delete], and then type in the desired number.
- To clear the entered address, press the [C] (clear) key.

4 Touch [OK], and then touch [OK] in the next screen that appears.

- To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

IPv6 Settings

Specify the settings for using IPv6 addresses. Settings can be specified for the following.

Parameter	Description
Auto IPv6 Settings	To automatically obtain IPv6 addresses, touch [ON].
Global Address	Specify a setting when “ON” is selected under “Auto IPv6 Settings”. Specify the prefix length (between 1 and 128) and the global address to be retrieved.
Gateway Address	Specify a setting when “ON” is selected under “Auto IPv6 Settings”. Specify the gateway address.
Link-Local Address	The link-local address computed from the MAC address is displayed.

The following limitations are applied when this machine is used in an IPv6 environment.

- SMB printing is not possible. (It is possible with direct hosting services.)
- Scan data cannot be transmitted with SMB. (It is possible with direct hosting services.)
- SMB browsing is not possible.
- PageScope NDPS Gateway cannot be used.
- DHCPv6 cannot be used.
- IP filtering cannot be used.
- The printer driver installer cannot be used.
- PageScope Web Connection cannot be displayed with Flash.

1 Touch [IPv6 Settings] in the TCP/IP Settings screen.

2 To specify settings, touch [ON].

3 Specify the details of IPv6 addresses.

– Use the keypad or the keyboard that appears in the touch panel to type in the address.
– To correct the entered numbers, touch [←] or [→] to move the cursor to the character to be changed, touch [Delete], and then type in the desired number.
– To clear the entered address, press the [C] (clear) key.

– After touching [Prefix Length] to specify a setting

4 Touch [OK], and then touch [OK] in the next screen that appears.

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

IKE Settings (IPsec Settings)

Specify the settings for the IKE protocol used during IPsec communication. Settings can be specified for the following.

Parameter	Description
Encryption Algorithm	Select the encryption algorithm to be used when creating control tunnels.
Authentication Algorithm	Select the authentication algorithm to be used when creating control tunnels.
Key Validity Period	Specify the length of time that the key is valid after being generated when creating control tunnels.
Diffie-Hellman Group	Select the Diffie-Hellman group.

Detail

Different combinations of the encryption algorithm and authentication algorithm settings for IPsec communication can be saved in four groups.

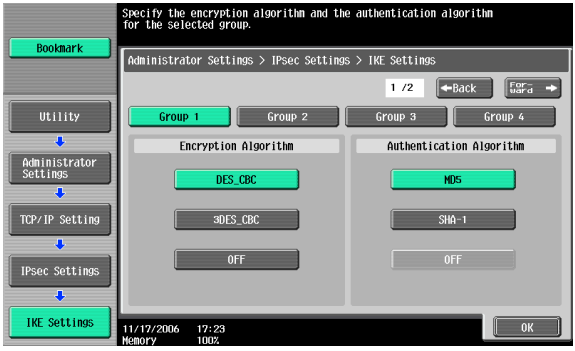
✔ In order to apply the IPsec settings, settings must be specified for “IKE Settings”, “IPsec SA Settings” and “Peer”.

1 Touch [IPsec Settings] in the TCP/IP Settings screen.

2 To specify settings, touch [ON], and then touch [IKE Settings].

IKE Settings screen 1/2 appears.

3 Select the group where the algorithm combination will be stored, and then specify the algorithms.

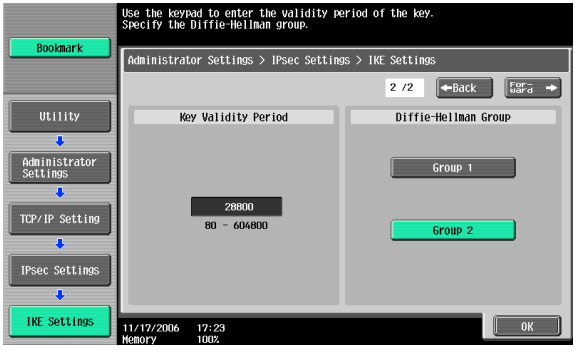


4 Touch [Fwd.→].

IKE Settings screen 2/2 appears.

5 Specify the desired settings.

– To change the setting under “Key Validity Period”, press the [C] (clear) key, and then use the keypad to type in the desired value.
– Under “Diffie-Hellman Group”, select a group.



6 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The IPsec Settings screen appears again.

IPsec SA Settings (IPsec Settings)

A maximum of eight combinations of security protocols and algorithms for IPsec communication can be stored.

Parameter	Description
Lifetime After Establishing SA	Specify the length of time that the key is valid after being generated when creating communication tunnels.
Security Protocol	Select the security protocol.
ESP Encryption Algorithm	If “Security Protocol” was set to “ESP”, specify the ESP encryption algorithm.
ESP Authentication Algorithm	If “Security Protocol” was set to “ESP”, specify the ESP authentication algorithm.
AH Authentication Algorithm	If “Security Protocol” was set to “AH”, specify the AH authentication algorithm.

✔ In order to apply the IPsec settings, settings must be specified for “IKE Settings”, “IPsec SA Settings” and “Peer”.

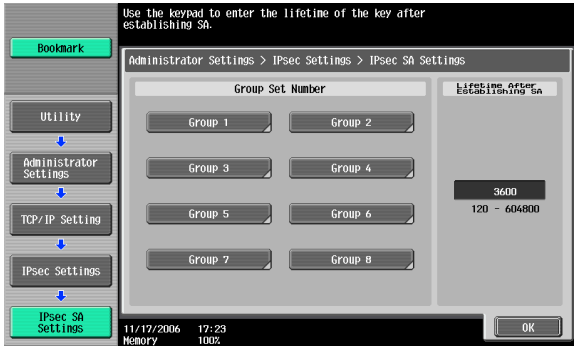
1 Touch [IPsec Settings] in the TCP/IP Settings screen.

2 To specify settings, touch [ON], and then touch [IPsec SA Settings].

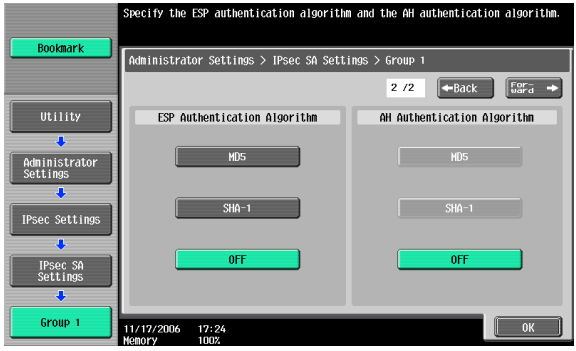
The IPsec SA Settings screen appears.

3 Select the group where the algorithm combination will be stored.

A screen appears, allowing the group to selected.



4 Specify the algorithm settings.

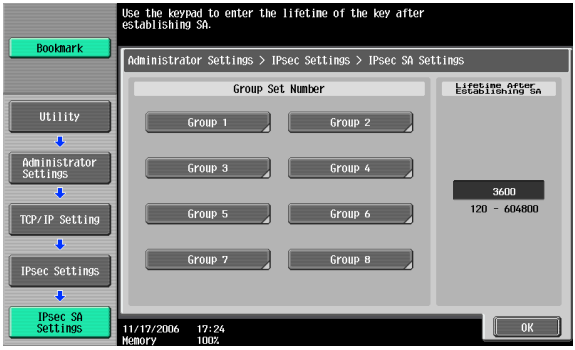


5 Touch [OK].

The group is stored, and the IPsec SA Settings screen appears again.

6 Select the length of time that communication is cut after being established.

– To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired value.



7 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The IPsec Settings screen appears again.

Peer (IPsec Settings)

Specify the encryption settings for each peer. A maximum of 10 peers can be registered. Settings can be specified for the following.

Parameter	Description
Encapsulation Mode	Specify the IPsec operation mode.
IP Address	Specify the IP address of the peer.
Pre-Shared Key Text	Type in the pre-shared key text shared with the peer.
Perfect Forward Secrecy	To raise the IKE strength, select “ON”.

✔ In order to apply the IPsec settings, settings must be specified for “IKE Settings”, “IPsec SA Settings” and “Peer”.

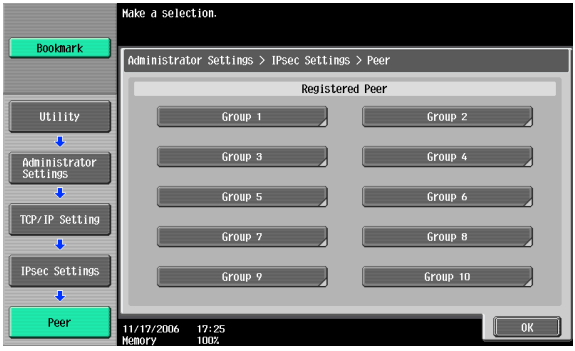
1 Touch [IPsec Settings] in the TCP/IP Settings screen.

2 To specify settings, touch [ON], and then touch [Peer].

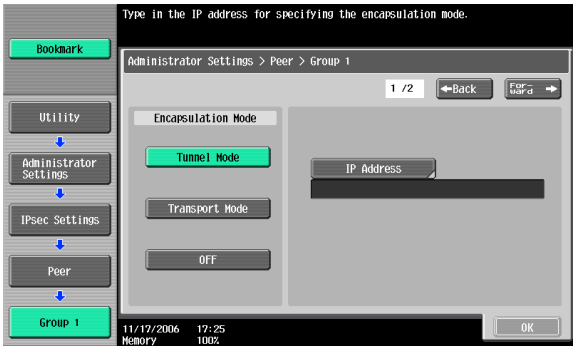
A screen appears, allowing the peer to selected.

3 Select the group to be programmed.

A screen appears, allowing the group to selected.



4 Specify the desired settings.



5 Touch [OK], and then touch [OK] in the next screen that appears.

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The IPsec Settings screen appears again.

4.4 NetWare Settings

Settings can be specified in order to use this machine in a NetWare network environment.

IPX Settings

Select whether or not IPX is used. Settings can be specified for the following.

Parameter	Description
Ethernet Frame Type	Select the frame type used in communication.

1 Touch [5 Network Setting] in the Administrator Settings screen.

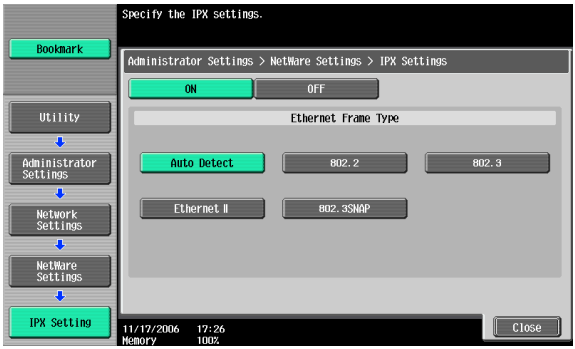
– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [2 NetWare Settings] in the Network Settings screen.

The NetWare Setting screen appears.

3 Touch [1 IPX Settings].

4 To use IPX settings, touch [ON], and then specify the desired settings.



5 Touch [Close], and then touch [Close] in the next screen that appears.

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

NetWare Print Settings

NetWare print settings can be specified and the status can be checked. Settings can be specified for the following.

Parameter	Description
NetWare Print Mode	Select PServer or Nprinter/Rprinter as the print mode to be used.
Status	The NetWare status can be checked.

If “PServer” was selected as the NetWare print mode, specify settings for the following.

Parameter	Description
Print Server Name	Specify the print server name. Use the keyboard that appears in the touch panel to type in the server name (63 characters or less).
Print Server Password	Specify the password required when the print server logs on to the file server. Use the keyboard that appears in the touch panel to type in the password (63 characters or less).
Polling Interval	Specify the interval for searching the print queue. (Range: 1 to 65535)
NDS/Bindery Setting	If “NDS” is selected, bindery is disabled. If “NDS & Bindery” is selected, both NDS and bindery are enabled.
File Server Name	Specify the name of the file server where the print server logs on. Use the keyboard that appears in the touch panel to type in the server name (47 characters or less).
NDS Context Name	Specify the NDS context name. Use the keyboard that appears in the touch panel to type in the NDS context name (191 characters or less).

Parameter	Description
NDS Tree Name	Specify the NDS tree name. Use the keyboard that appears in the touch panel to type in the NDS tree name (63 characters or less).

If “Nprinter/Rprinter” was selected as the NetWare print mode, specify settings for the following.

Parameter	Description
Print Server Name	Specify the print server name. Use the keyboard that appears in the touch panel to type in the printer name (63 characters or less).
Printer Number	Specify the printer number. To obtain it automatically, touch [Auto]. (Range: 1 to 254)

Note

To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired value.

The name of the print server should contain 10 characters or less.

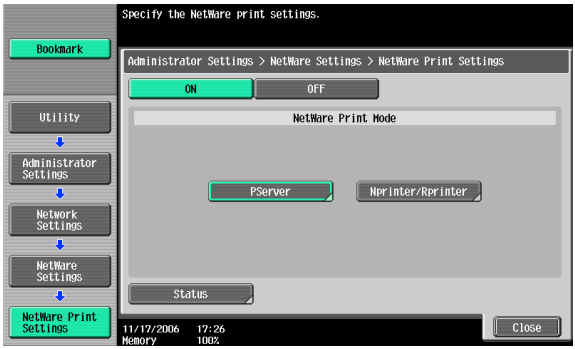
1 Touch [5 Network Setting] in the Administrator Settings screen.

2 Touch [2 NetWare Settings] in the Network Settings screen.

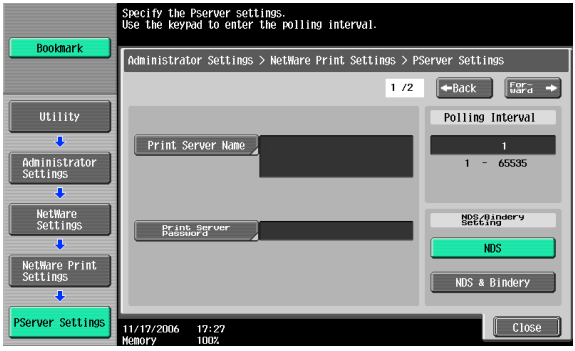
The NetWare Setting screen appears.

3 Touch [2 NetWare Print Settings].

4 Select the NetWare print mode, and then specify the desired settings.



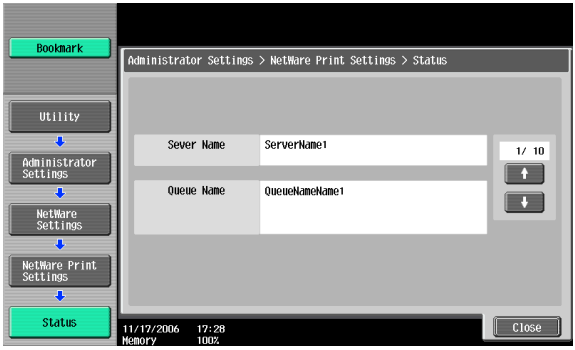
– If [PServer] was selected, specify the desired settings, and then touch [OK].
– To display a different screen, touch [←Back] or [Fwd.→].



– If [Nprinter/Rprinter] was selected, specify the desired settings, and then touch [OK].

5 To check the status, touch [Status].

6 Touch [↑] or [↓] until the server whose status is to be checked is displayed.



7 Touch [Close].

8 Touch [OK].

9 Touch [Close].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

User Authentication Setting (NDS)

Settings can be specified for the following.

Parameter	Description
User Authentication Setting (NDS)	When “User Authentication” is set to “External Server Authentication”, select whether or not NDS authentication is permitted.

Note

Only over IPX is compatible when “User Authentication Setting (NDS)” is set to “ON”. over IP is not compatible.

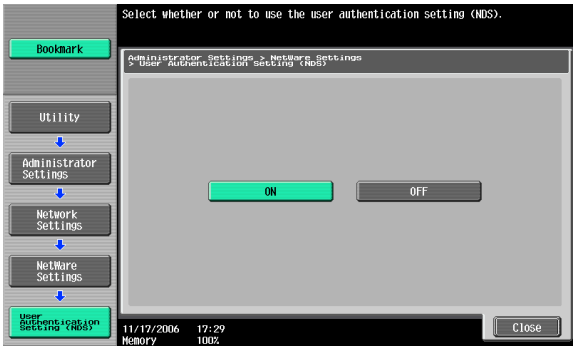
1 Touch [5 Network Setting] in the Administrator Settings screen.

2 Touch [2 NetWare Settings] in the Network Settings screen.

The NetWare Setting screen appears.

3 Touch [3 User Authentication Setting (NDS)].

4 Specify the desired settings.



5 Touch [Close], and then touch [Close] in the next screen that appears.

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

4.5 http Server Settings

Specify settings for the http server for this machine, PageScope Web Connection settings and the IPP settings used by the printer. Settings can be specified for the following.

http Server Settings screen 1/4

Parameter	Description
http Server Settings	Select whether or not the http server settings are used.

Note
If "OFF" is selected, the IPP print function can no longer be used since the http server port (80) is closed.

http Server Settings screen 2/4

Parameter	Description
IPP Settings	Select whether to enable or disable the IPP print function.
Accept IPP Jobs	Select whether or not IPP jobs are permitted.
Support Information	Specify the support information. For details, refer to "Support Information" on page 4-49.
Printer Information	Specify the printer information. For details, refer to "Printer Information" on page 4-50.

http Server Settings screen 3/4

Parameter	Description
IPP Authentication Settings	Select whether or not IPP authentication is performed.
Authentication Method	Select the authentication method when IPP authentication is performed.

http Server Settings screen 4/4

Parameter	Description
User Name	From the keyboard that appears in the touch panel, specify the necessary settings for IPP authentication.
Password	
realm	

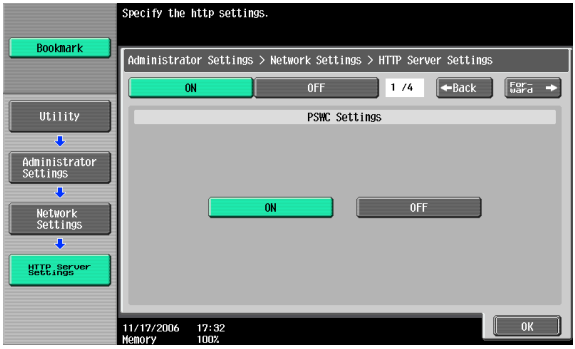
1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to "Displaying the Administrator Settings screen" on page 3-7.

2 Touch [3 http Server Settings] in the Network Settings screen.

http Server Settings screen 1/4 appears.

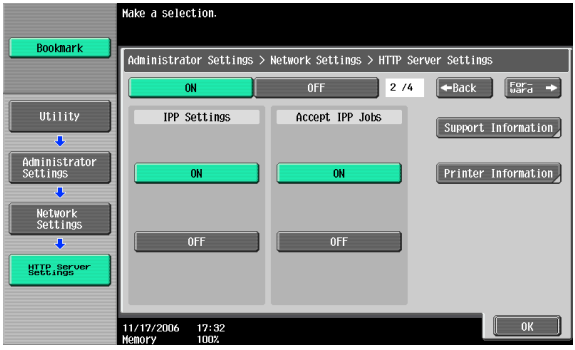
3 Specify the desired settings.



4 Touch [Fwd.→].

http Server Settings screen 2/4 appears.

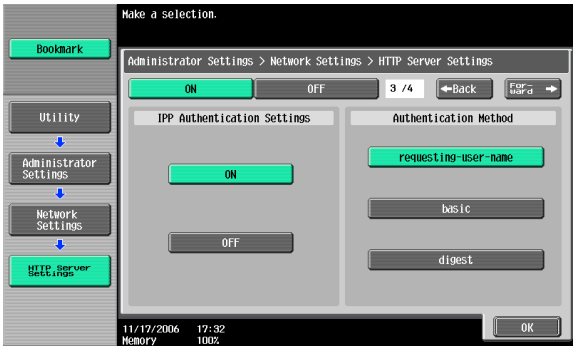
5 Specify the desired settings.



6 Touch [Fwd.→].

http Server Settings screen 3/4 appears.

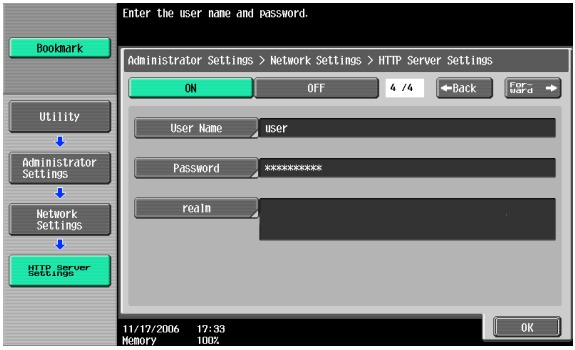
7 Specify the desired settings.



8 Touch [Fwd.→].

http Server Settings screen 4/4 appears.

9 Specify the desired settings.



10 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The http server details are specified.

Support Information

A response is provided indicating whether or not each operation is supported in IPP communications.

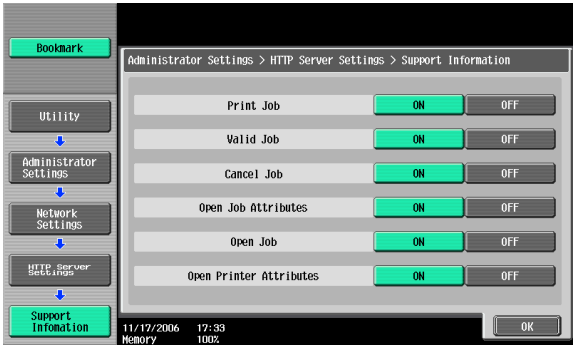
OFF: Responds as not supported.

ON: Responds to communication. No response is returned for “Cancel Job”, “Open Job”, and “Open Job Attributes”.

1 Touch [Support Information] in http Server Settings screen 2/4.

The Support Operation screen appears.

2 Touch [ON] or [OFF] for each operation.



3 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The support operation information is specified.

Printer Information

Specify printer information.

1 Touch [Printer Information] in http Server Settings screen 2/4.

The Printer-Related Info screen appears.

2 Touch [Printer Name].

The Printer Name screen appears.

3 Type in the printer name (127 characters or less).

– For details on typing in text, refer to “Entering text” on page 6-4.

4 Touch [OK].

The printer name is specified, and the Printer-Related Info screen appears again.

5 Touch [Printer Location].

The Printer Location screen appears.

6 Type in the printer location (127 characters or less).

7 Touch [OK].

The printer location is specified, and the Printer-Related Info screen appears again.

8 Touch [Printer Information].

The Printer Information screen appears.

9 Type in the printer information (127 characters or less).

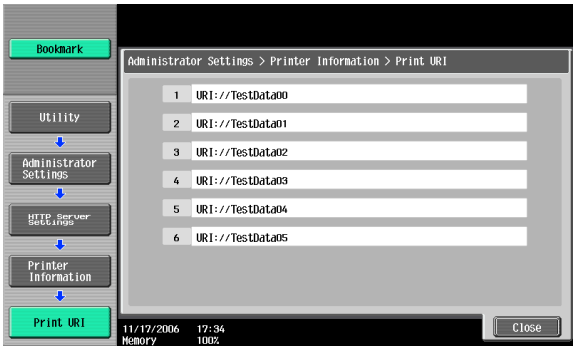
10 Touch [OK].

The printer information is specified, and the Printer-Related Info screen appears again.

11 To check the printer URI, touch [Printer URI].

The Printer URI screen appears.

12 After checking the printer URI, touch [Close].



The Printer-Related Info screen appears again.

13 Touch [Close].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

4.6 FTP Settings

Specify the communication settings where an FTP server is used.

FTP TX Settings

Specify the settings for sending scan data to an FTP server. Settings can be specified for the following.

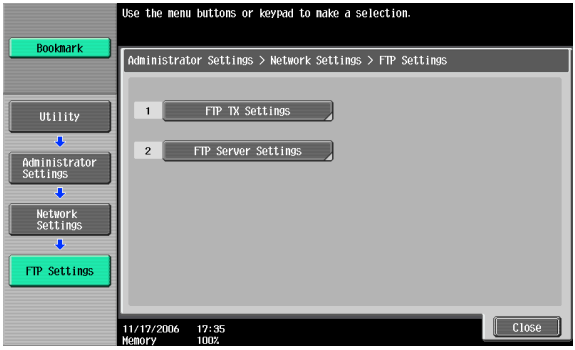
Parameter	Description
Proxy Server Address	Specify the address of the proxy server. Type in the address in the format of a host name, IPv4 address or IPv6 address.
Proxy Server Port Number	Specify the port number for the proxy server. To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired port number. (Range: 1 to 65535)
Port No.	Specify the number of the port used for communicating with the FTP server. To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired port number. (Range: 1 to 65535)
Connection Timeout	If transmission stops while data is being uploaded to the FTP server, the upload operation is automatically aborted after a specified length of time has passed. Specify the length of time from the point when the transmission stops to the point when the upload operation is to be aborted. To change the setting, press the [C] (clear) key, and then use the keypad to type in the setting. (Range: 5 to 300 seconds)

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

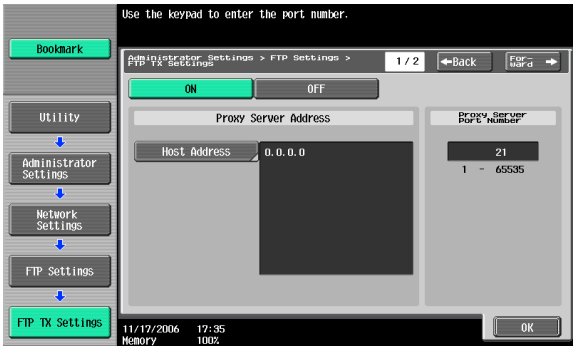
2 Touch [4 FTP Settings] in the Network Settings screen.

3 Touch [1 FTP TX Settings].



FTP TX screen 1/2 appears.

4 To use FTP, touch [ON], and then specify the desired settings.

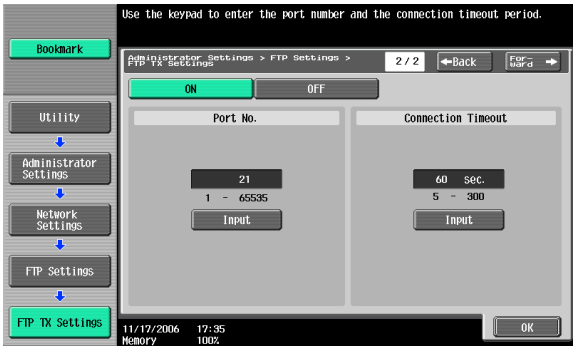


– To specify the proxy server address, touch [Host Address], and then type in the address.

5 Touch [Fwd.→].

FTP TX screen 2/2 appears.

6 Specify the desired settings.



7 Touch [OK].

8 Touch [Close].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The FTP transmission details are specified.

FTP Server Settings

Select whether or not the machine is used as an FTP server.

✔ If an application is used that links to this machine as an FTP client of this machine, “ON” must be selected.

1 Touch [5 Network Setting] in the Administrator Settings screen.

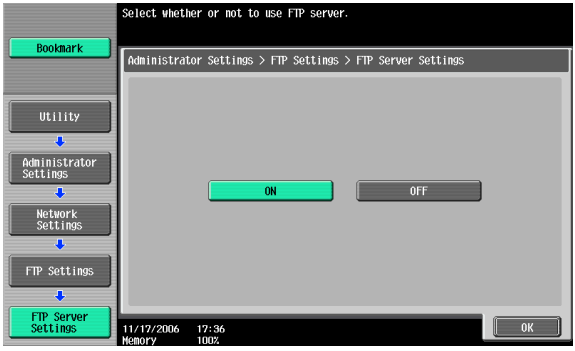
– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [4 FTP Settings] in the Network Settings screen.

3 Touch [2 FTP Server Settings].

The FTP Server Settings screen appears.

4 To use the FTP server, touch [ON].



5 Touch [OK].

6 Touch [Close].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The FTP transmission details are specified.

4.7 SMB Settings

Specify the settings for sharing printers and sending files over a network.

Client Settings

Select whether or not SMB transmission is used by the client. Settings can be specified for the following.

Parameter	Description
User Authentication (NTLM)	Select whether or not the NTLM user authentication is performed.
NTLM Settings	Select the NTLM version to be used. If the network includes computers running Windows 98SE or Windows Me, touch [v1/v2] or [v1]. If the network includes servers running the Samba service, touch [v1].

1 Touch [5 Network Setting] in the Administrator Settings screen.

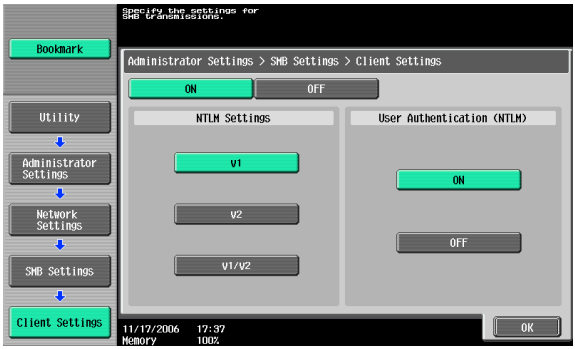
– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [5 SMB Settings] in the Network Settings screen.

3 Touch [1 Client Settings].

The Client Settings screen appears.

4 To use SMB, touch [ON], and then specify the desired settings.



5 Touch [OK].

6 Touch [Close].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

Print Setting

Select whether or not the SMB port is used in Print mode. Settings can be specified for the following.

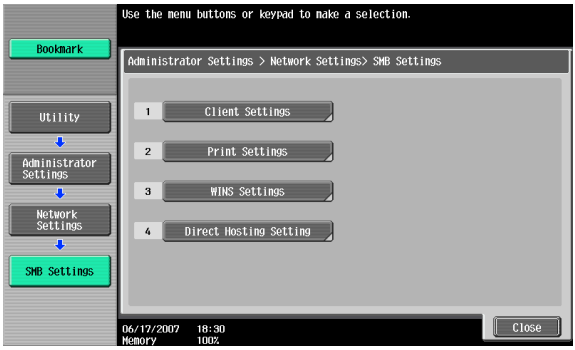
Parameter	Description
NetBIOS Name	Specify the NetBIOS name with uppercase letters. Use the keyboard that appears in the touch panel to type in the NetBIOS name (15 characters or less).
Print Service Name	Specify the print service name with uppercase letters. Use the keyboard that appears in the touch panel to type in the print service name (12 characters or less).
Workgroup	Specify the workgroup with uppercase letters. Use the keyboard that appears in the touch panel to type in the workgroup (15 characters or less).

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [5 SMB Settings] in the Network Settings screen.

3 Touch [2 Print Setting].



The Printer Setting screen appears.

4 To use the SMB port, touch [ON], and then specify the desired settings.

5 Touch [OK].

6 Touch [Close].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

WINS Settings

When an WINS server is used, specify settings such as the server address. Settings can be specified for the following.

Parameter	Description
Automatic Retrieval Settings	Select whether (Enable) or not (No Limit) the IP address of the WINS server is automatically retrieved from the DHCP server.
WINS Server Address 1 and 2	Type in the IP address of the WINS server. Use the keypad to type in the address.
Node Type Setting	Specify the method for resolving the name. B Node: Inquires by broadcasting. P Node: Inquires with the WINS server. M Node: Inquires by broadcasting, then with the WINS server. H Node: Inquires with the WINS server, then by broadcasting.

✔ When performing a Scan to SMB operation (specified host name) through a router, specify WINS according to the SMB transmission settings.

1 Touch [5 Network Setting] in the Administrator Settings screen.

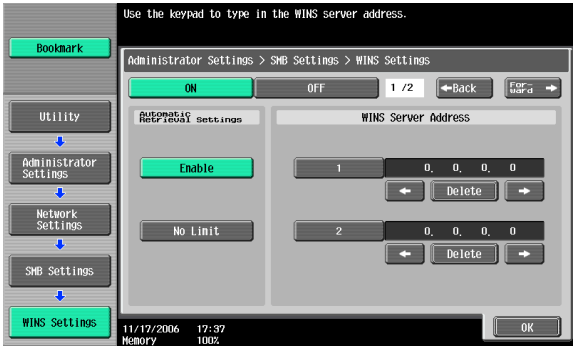
– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [5 SMB Settings] in the Network Settings screen.

3 Touch [3 WINS Settings].

WINS Settings screen 1/2 appears.

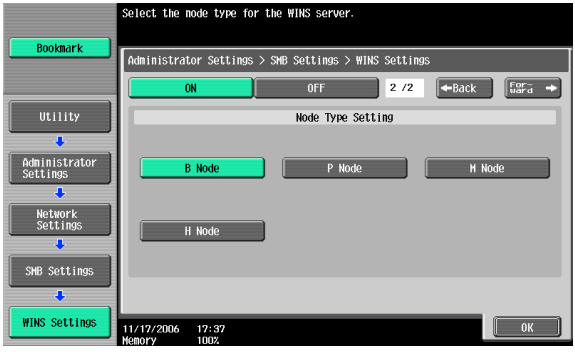
4 To use the WINS server, touch [ON], and then specify the desired settings.



5 Touch [Fwd.→].

WINS Settings screen 2/2 appears.

6 Specify the desired settings.



7 Touch [OK].

8 Touch [Close].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

Direct Hosting Setting

This machine is compatible with direct hosting services. To specify the destination computer by its name in an IPv6 environment, select “ON”.

Detail

This setting must be specified in order to use SMB communication (SMB, NTLM authentication) with a destination computer in an IPv6 environment.

When set to "ON", prepare the DNS server, and then specify the DNS settings.

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to "Displaying the Administrator Settings screen" on page 3-7.

2 Touch [5 SMB Settings] in the Network Settings screen.

3 Touch [4 Direct Hosting Setting].

4 To use direct hosting services, select "ON".

5 Touch [OK].

6 Touch [Close].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

4.8 LDAP Settings

Specify the settings for using an LDAP server to search for and retrieve information.

Reminder

If the LDAP server settings are not set correctly, there may be interference in the network. This parameter should be specified by the network administrator.

Enabling LDAP

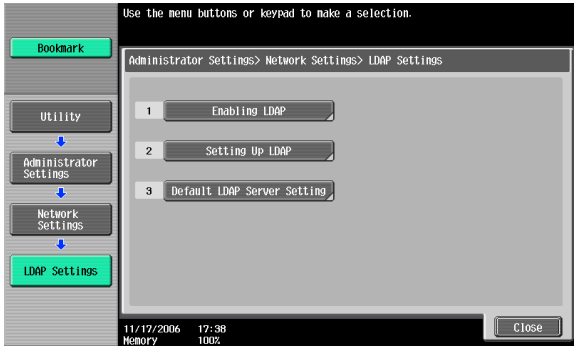
Select whether or not a connection is established with the LDAP server and the LDAP function is used.

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [6 LDAP Settings] in the Network Settings screen.

3 Touch [1 Enabling LDAP].



The Enabling LDAP screen appears.

4 To use an LDAP server, touch [ON].

5 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

Use of the LDAP server is specified.

Setting Up LDAP

Register LDAP servers and specify authentication settings. Settings can be specified for the following.

Setup LDAP screen 1/6

Parameter	Description
LDAP Server Name	Type in the name of the LDAP server to be registered. Use the keyboard that appeared in the touch panel to type in the server name (32 characters or less).
Max. Search Results	Specify the maximum number of destinations to be displayed after a search. To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired setting. (Range: 5 to 1000)
Timeout	Specify the maximum wait time for a search operation. To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired setting. (Range: 5 to 300 seconds)
Initial Setting for Search Details	Specify the initial search conditions for “Name”, “E-Mail”, “Fax Number”, “Last Name”, “First Name”, “City”, “Company Name” and “Department” in an advanced search.

Setup LDAP screen 2/6

Parameter	Description
Server Address	Specify the address of the LDAP server. Use the keyboard that appears in the touch panel to type in the address (255 characters or less).
Search Base	Specify the search starting point in a hierarchical structure arranged on the LDAP server. Searches are performed by also including the sub-directories lower than the starting point that was specified. Use the keyboard that appears in the touch panel to type in the address (up to 255 characters).

Setup LDAP screen 3/6

Parameter	Description
SSL Setting	Select whether or not SSL (data encryption) is used when connecting to an LDAP server. When SSL is used, communication information is encrypted.
Port Number	Specify the port number for the LDAP server. To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired port number. (Range: 1 to 65535)
Port Number (SSL)	Specify the port number when SSL is used. To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired port number. (Range: 1 to 65535)

Setup LDAP screen 4/6

Parameter	Description
Authentication Type	Select the authentication method used for logging on to the LDAP server. Anonymous: This authentication method does not require a user name and password. If “Anonymous” is selected, dynamic authentication is disabled. Simple: This simple authentication method requires a user name and password. Be careful since the passwords can be leaked over the network. Digest-MD5: This authentication method can be used on a typical LDAP server. If authentication fails using Digest- MD5, the authentication is performed by automatically switching to CRAM-MD5. GSS-SPNEGO: This authentication method can be used with Active Directory in Windows (Kerberos authentication). NTLM v1 and NTLM v2: These standard user authentication methods can be used with Windows NT. They can be used for logging on when sharing files and printers.

Setup LDAP screen 5/6

Parameter	Description
Select Server Authentication Method	Select the method that is used with user authentication. Use Settings: Authentication is performed with the settings specified in Setup LDAP screen 6/6. User Authentication: If a user is logged on to the copier with external server authentication, the user name used with external server authentication is automatically entered in the LDAP server logon screen. Dynamic Authentication: When using the LDAP search function, a user name and password is requested.
Referral Setting	Select whether or not the referral setting is used. If referral is used, the search base that was specified in the LDAP server settings searches the upper and lower levels as the starting point.

Setup LDAP screen 6/6

Parameter	Description
Login Name	Specify the logon name for connecting to the LDAP server. Use the keyboard that appears in the touch panel to type in the logon name (255 characters or less).
Password	Specify the password for connecting to the LDAP server. Use the keyboard that appears in the touch panel to type in the password (128 characters or less).
Domain Name	Specify the necessary domain name for connecting to the LDAP server. Use the keyboard that appears in the touch panel to type in the domain name (64 characters or less).

All screens

Parameter	Description
Check Connection	Touch this button to check the connection to the LDAP server.
Reset All Settings	Touch this button to reset all LDAP server settings to the defaults. If a message appears, requesting confirmation to reset the settings, touch [Yes].

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [6 LDAP Settings] in the Network Settings screen.

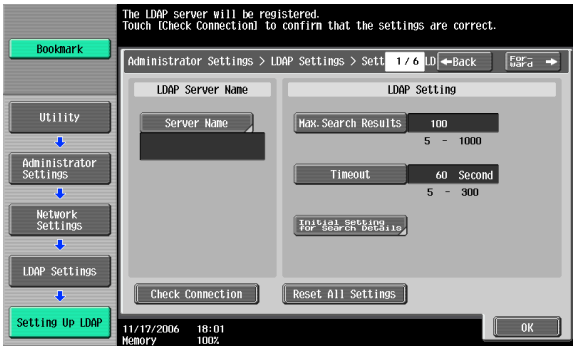
3 Touch [2 Setting Up LDAP].

The Setup LDAP screen appears.

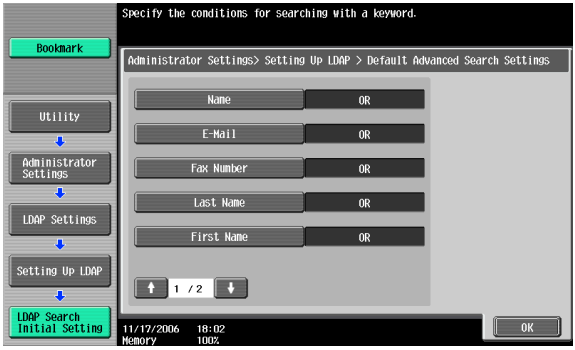
4 Touch the button to be programmed and where settings are to be specified for the LDAP server.

Setup LDAP screen 1/6 appears.

5 Specify the desired settings.



– To specify the initial search conditions in an advanced search, touch [Initial Setting for Search Details]. Select a condition and its setting.
– Select the default condition (“OR”, “AND”, “START” and “END”).
– The specified conditions can be changed when a user performs an LDAP search.

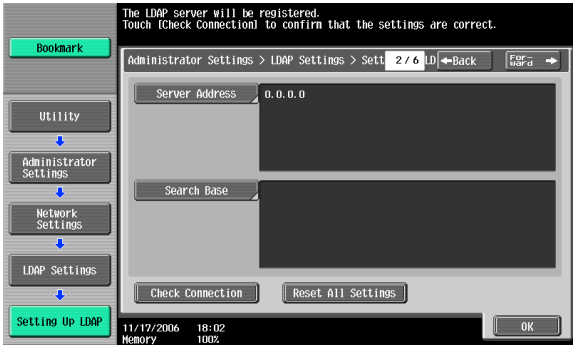


6 Touch [Fwd.→].

Setup LDAP screen 2/6 appears.

7 Specify the desired settings.

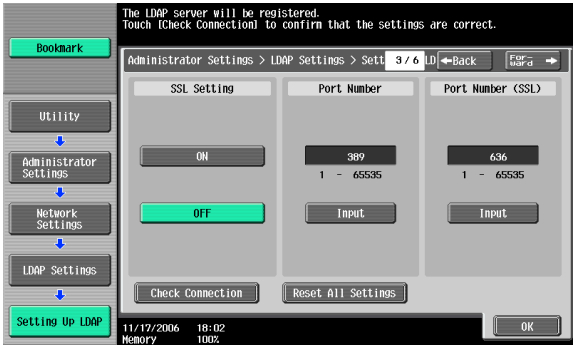
– [Check Connection] appears only if “Enabling LDAP” (displayed from the LDAP Setting screen) is set to “ON” and “Manual Destination Input” (displayed on the Security Details screen) is set to “Allow”.



8 Touch [Fwd.→].

Setup LDAP screen 3/6 appears.

9 Specify the desired settings.

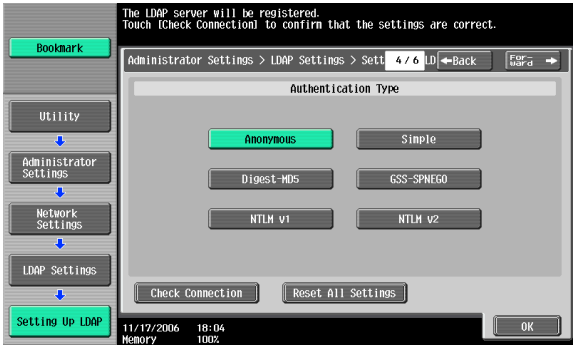


10 Touch [Fwd.→].

Setup LDAP screen 4/6 appears.

11 Specify the desired settings.

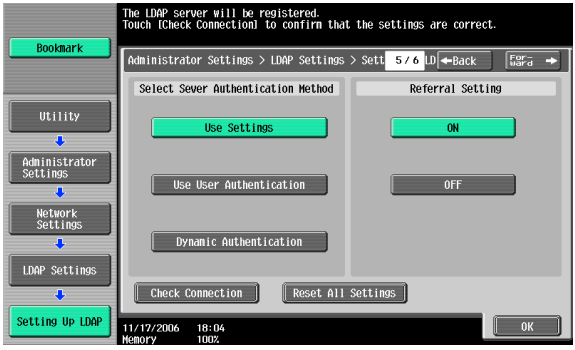
- Select the authentication method that is used by the LDAP server being used. For details, refer to the manual for the LDAP server being used.
- If “GSS-SPNEGO” is selected as the authentication method, type in the domain name of Active Directory.
- Depending on the selected authentication method, a connection check cannot be performed if the following settings are incorrectly specified in Setup LDAP screen 6/6.
- For “Simple” and “Digest-MD5”: Login Name
- For “GSS-SPNEGO”: Login Name and Domain Name



12 Touch [Fwd.→].

Setup LDAP screen 5/6 appears.

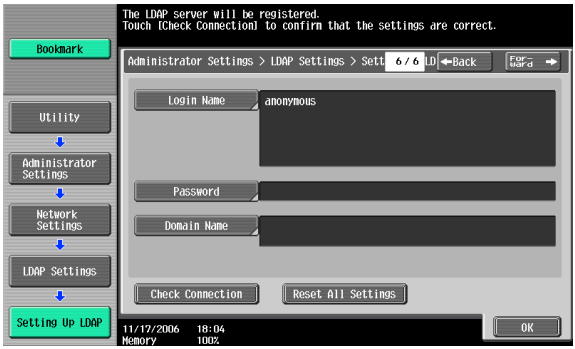
13 Specify the desired settings.



14 Touch [Fwd.→].

Setup LDAP screen 6/6 appears.

15 Specify the desired settings.



16 Touch [OK].

17 Touch [Close], and then touch [Close] in the next screen that appears.

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The LDAP server is registered, and the authentication settings are specified.

Default Search Settings

Specify which of the registered LDAP servers is to be given priority for performing searches.

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [6 LDAP Settings] in the Network Settings screen.

3 Touch [3 Default Search Settings].

The Default Search Settings screen appears.

4 Select the LDAP server to be given priority for performing searches.

5 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The LDAP server given priority is specified.

4.9 E-Mail TX (SMTP)

Information, such as the SMTP server, that is required to send data as an e-mail attachment in Scan mode can be specified. In addition, authentication settings can be specified for e-mail transmission. Settings can be specified for the following.

Detail

For sending e-mail, administrator address must be specified on this machine. For details on the administrator address setting, refer to the User's Guide [Copy Operations].

E-Mail TX (SMTP) screen 1/5

Parameter	Description
Scanning	Select whether or not Scan to E-Mail operations are used.
Status Notification	Select whether or not status notification is used.
Total Counter Notification	Select whether or not total counter notification is used.

E-Mail TX (SMTP) screen 2/5

Parameter	Description
SMTP Server Address	Specify the address of the SMTP server used to send e-mail messages. For details, refer to "SMTP Server Address" on page 4-80.

E-Mail TX (SMTP) screen 3/5

Parameter	Description
Binary Division	Specify whether or not a large e-mail message is divided and sent in small sections. This is used to send data that has exceeded the maximum capacity when the maximum capacity is limited per e-mail message on the e-mail server.
Divided Mail Size	Specify the size of divided data when dividing the data to be sent. To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired setting. (Range: 100 to 15000 KB)

Note

It may not be possible to read the e-mail messages if the e-mail software used to receive e-mail is not equipped with a restoring function.

E-Mail TX (SMTP) screen 4/5

Parameter	Description
Connection Timeout	If transmission stops while an e-mail message is being sent to the SMTP server, the e-mail transmission operation is automatically aborted after a specified length of time has passed. Specify the length of time from the point when the transmission stops to the point when the transmission operation is to be aborted. To change the setting, touch [+] or [–] to specify the setting (in 30-second increments). (Range: 30 to 300 seconds)
Server Capacity	Specify the maximum capacity that the SMTP server can receive per e-mail message. To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired setting. (Range: 1 to 100 Mbyte) To apply no limit, touch [No Limit].

E-Mail TX (SMTP) screen 5/5

Parameter	Description
SSL Setting	In order to apply SSL/TLS encryption to communications between this machine and the SMTP server, select “SMTP over SSL” or “Start TLS”.
Port No.	Specify the port number if “Start TLS” was selected. To change the setting, touch [Input], press the [C] (clear) key, and then use the keypad to type in the desired port number. (Range: 1 to 65535)
Port Number (SSL)	Specify the port number used with SSL communications if “SMTP over SSL” was selected. To change the setting, touch [Input], press the [C] (clear) key, and then use the keypad to type in the desired port number. (Range: 1 to 65535)

SMTP Detail screen (displayed by touching [Detail Setting])

Parameter	Description
SMTP Authentication	Select whether or not SMTP authentication is used. Touching [ON] displays a screen for entering SMTP authentication information. For details, refer to “SMTP Authentication” on page 4-81.
POP Before SMTP Authentication	Select whether or not POP Before SMTP authentication is used.
POP Before SMTP Time	Specify when POP Before SMTP authentication is used. To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired setting. (Range: 0 to 60 seconds)

Detail

If the POP and SMTP servers are different, the POP server must notify the SMTP server when the POP server is logged on to. Therefore, if the time specified for “POP Before SMTP Time” is too short, it may not be possible to send e-mail.

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [7 E-Mail Settings] in the Network Settings screen.

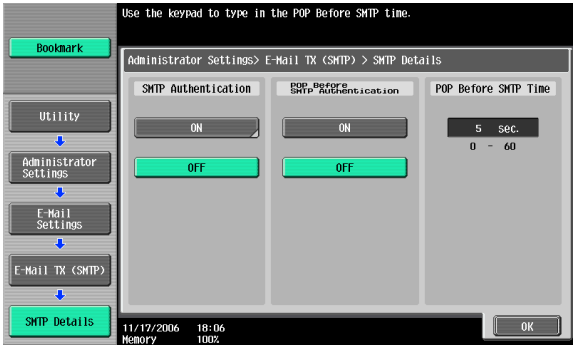
3 Touch [1 E-Mail TX (SMTP)].

E-Mail TX (SMTP) screen 1/5 appears.

4 To use SMTP, touch [ON], and then specify the desired settings.

– To specify detailed SMTP settings, touch [Detail Setting]. To specify SMTP authentication settings, refer to “SMTP Authentication” on page 4-81.

– In order to perform user authentication with POP Before SMTP, some settings must be specified so that the mail server can be accessed correctly with POP. For details, refer to “E-Mail RX (POP)” on page 4-85.



5 Touch [Fwd.→].

E-Mail TX (SMTP) screen 2/5 appears.

6 Specify the desired settings.

– To specify the host address, touch [Host Address]. For details, refer to “SMTP Server Address” on page 4-80.

7 Touch [Fwd.→].

E-Mail TX (SMTP) screen 3/5 appears.

8 Specify the desired settings.

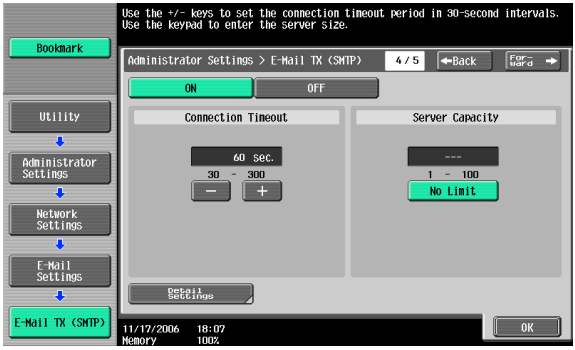
– If virus scanning software is used on the mail server, the Binary Division feature may not be available. For details, contact your network administrator.

– To receive e-mail messages that have been divided, mail client software supporting divided reception is required. Depending on the mail client software being used, it may not be possible to combine received e-mail messages that have been divided.

9 Touch [Fwd.→].

E-Mail TX (SMTP) screen 4/5 appears.

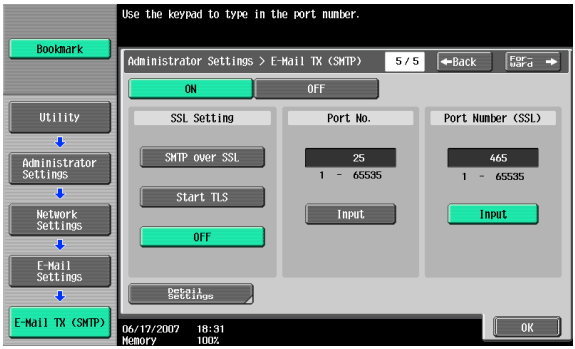
10 Specify the desired settings.



11 Touch [Fwd.→].

E-Mail TX (SMTP) screen 5/5 appears.

12 Specify the desired settings.



13 Touch [OK].

14 Touch [Close], and then touch [Close] in the next screen that appears.

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The SMTP server information is specified.

SMTP Server Address

Specify the address of the SMTP server used to send e-mail messages.

1 Touch [Host Address] in E-Mail TX (SMTP) screen 2/5.

The Host Address screen appears.

2 Select the method for specifying the host address.

- To specify the host address as an IPv4 address, touch [IPv4 Address Input].
- To specify the host address as an IPv6 address, touch [IPv6 Address Input].
- To specify the host address as a host name, touch [Host Name Input].
- When [Host Name Input] is touched, check that the DNS setting is correctly specified. For details, refer to “TCP/IP Settings” on page 4-17.

3 Type in the host address (255 characters or less for a host name).

- To correct the entered IP address, touch [←] or [→] to move the cursor to the character to be changed, touch [Delete], and then type in the desired number.
- To clear all entered values, press the [C] (clear) key.
- For details on typing in text, refer to “Entering text” on page 6-4.
- If the DNS settings are incorrectly specified, the unit will not operate correctly, even if the SMTP server name has been entered. For details on the DNS settings, refer to “TCP/IP Settings” on page 4-17.

4 Touch [OK].

- To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The SMTP server address is specified.

SMTP Authentication

Specify these settings when SMTP authentication settings have been specified.

Detail

The SMTP authentication method (Digest-MD5, CRAM-MD5, PLAIN or LOGIN) compatible with the SMTP server and having the highest level is automatically selected.

If the user belongs to only one domain (realm), it is not necessary to specify the settings from this machine since notification of the domain name is received from the SMTP server with the initial communication, and communication is performed automatically using that domain name. However, if the user belongs to two or more domains (realms), the name of the domain that the user belongs to must be specified.

Note

For details on typing in text, refer to “Entering text” on page 6-4.

1 Under “SMTP Authentication” on the SMTP Detail screen, touch [ON]. The SMTP Authentication screen appears.

2 Touch [User ID] in the SMTP Authentication screen.

The user ID screen.

3 Type in the user ID (63 characters or less).

4 Touch [OK].

The user ID is specified, and the SMTP Authentication screen appears again.

5 Touch [Password] in the SMTP Authentication screen.

The Password screen appears.

6 Type in the password (15 characters or less).

7 Touch [OK].

The password is specified, and the SMTP Authentication screen appears again.

8 Touch [Domain Name] in the SMTP Authentication screen.

The Domain Name screen appears.

9 Type in the domain name (255 characters or less).

10 Touch [OK].

The domain name is specified, and the SMTP Authentication screen appears again.

11 Touch [Close].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The SMTP Detail screen appears again.

4.10 E-Mail RX (POP)

Specify these settings when authentication of the e-mail sender is performed by POP before SMTP. Settings can be specified for the following.

E-Mail RX (POP) screen 1/4

Parameter	Description
POP Server Address	Specify the address of the POP server used to send e-mail messages. For details, refer to “POP Server Address” on page 4-89.
Connection Timeout	If communication stops while an e-mail message is being received from the POP server, the e-mail reception operation is automatically aborted after a specified length of time has passed. Specify the length of time from the point when the reception stops to the point when the reception operation is to be aborted. To change the setting, touch [+] or [–] to specify the setting (in 30-second increments). (Range: 30 to 300 seconds)

E-Mail RX (POP) screen 2/4

Parameter	Description
SSL Setting	Select whether or not SSL is used during e-mail receptions. When SSL is used, the communication settings are encrypted.
Port No.	Specify the number of the port used for communicating with the POP server. To change the setting, touch [Input], press the [C] (clear) key, and then use the keypad to type in the desired port number. (Range: 1 to 65535)
Port Number (SSL)	Specify the port number when SSL is used. To change the setting, touch [Input], press the [C] (clear) key, and then use the keypad to type in the desired port number. (Range: 1 to 65535)

E-Mail RX (POP) screen 3/4

Parameter	Description
Login Name	Specify the logon name for connecting to the POP server. Use the keyboard that appears in the touch panel to type in the logon name (63 characters or less).
Password	Specify the password for connecting to the POP server. Use the keyboard that appears in the touch panel to type in the password (15 characters or less).
APOP Authentication	Select whether or not the logon name and password are encrypted when logging on to the POP server.

Detail

When using APOP to log on to the POP server, the password is encrypted with Digest-MD5. If “APOP Authentication” was set to “ON”, it is not possible to log on to the server if the POP server is not compatible with APOP.

E-Mail RX (POP) screen 4/4

Parameter	Description
Check for New Messages	Select whether or not the server is automatically checked for received e-mail messages.
Polling Interval	Specify the polling interval. To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired setting. (Range: 1 to 60)

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [7 E-Mail Settings] in the Network Settings screen.

3 Touch [2 E-Mail RX (POP)].

E-Mail RX (POP) screen 1/4 appears.

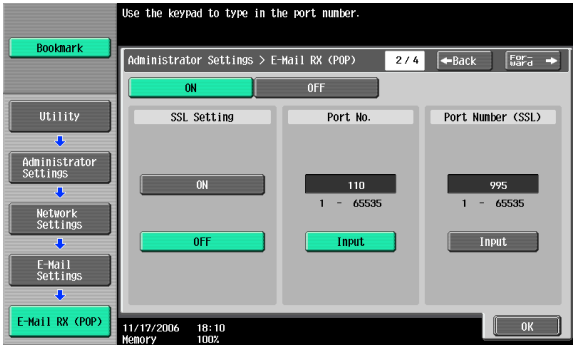
4 To enable e-mail reception, touch [ON], and then specify the desired settings.

– To specify the host address, touch [Host Address]. For details, refer to “POP Server Address” on page 4-89.

5 Touch [Fwd.→].

E-Mail RX (POP) screen 2/4 appears.

6 Specify the desired settings.



7 Touch [Fwd.→].

E-Mail RX (POP) screen 3/4 appears.

8 Specify the desired settings.

9 Touch [Fwd.→].

E-Mail RX (POP) screen 4/4 appears.

10 Specify the desired settings.

11 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The POP server information is specified.

POP Server Address

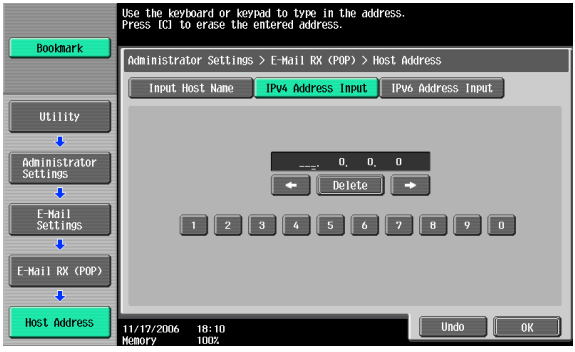
Specify the address of the POP server used to receive e-mail messages.

1 Touch [Host Address] in the E-Mail RX (POP) screen.

The Host Address screen appears.

2 Select the method for specifying the host address.

- To specify the host address as an IPv4 address, touch [IPv4 Address Input].
- To specify the host address as an IPv6 address, touch [IPv6 Address Input].
- To specify the host address as a host name, touch [Host Name Input].
- When [Host Name Input] is touched, check that the DNS setting is correctly specified. For details, refer to “TCP/IP Settings” on page 4-17.



3 Type in the e-mail address.

- Up to 255 characters can be entered for the host name.
- To correct the entered IP address, touch [←] or [→] to move the cursor to the character to be changed, touch [Delete], and then type in the desired number.
- To clear all entered values, press the [C] (clear) key.
- For details on typing in text, refer to “Entering text” on page 6-4.

4 Touch [OK].

- To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The POP server address is specified.

4.11 S/MIME Communication Settings

Before specifying settings to use S/MIME

By specifying settings for S/MIME communication, e-mail messages can be sent encrypted. In order to enable the S/MIME settings, a digital certificate for each destination must be registered. Digital certificates can be registered using any of the following three methods.

Method	Description
Registering certificates by sending e-mail messages to this machine	The certificate is registered by sending an e-mail message to this machine from the client computer to be the e-mail destination. The procedure is described below.
Registering certificates with the LDAP server	Certificate files registered on the LDAP server are searched for and retrieved. For details, contact the network administrator.
Specifying the setting when using PageScope Web Connection to register destinations	Specify where certificate information is saved when using PageScope Web Connection to register the destination. For details, refer to the PageScope Web Connection User's Guide.

The following procedure describes how to register certificates by sending e-mail messages to this machine.

Note

Register the e-mail address as a destination that uses S/MIME transmission.

Before sending e-mail, the "Automatically Obtain Certificates" parameter (available from the S/MIME Communications Settings screen) must first be set to "Yes".

1 From the machine's control panel, register in the address book an e-mail address registered with a certificate.

2 Register an address (POP setting) that this machine can receive e-mail from.

3 From a computer on the network, send an e-mail message with a certificate attached to the e-mail address specified in step 2.

If the e-mail address of the received certificate matches an e-mail address registered with this machine, the certificate is automatically registered.

...

Reminder

The certificate is not registered if the From address in the e-mail message sent from the computer does not match the e-mail address registered in step 1. Before sending the e-mail message, make sure that the e-mail addresses match.

Specifying S/MIME communication settings

Specify various settings for S/MIME communication where e-mail transmissions are encrypted. Settings can be specified for the following.

Parameter	Description
Digital Signature	Specify the digital signature that is added.
E-Mail Text Encryption Method	Specify the encryption type for the body of e-mail messages.
Automatically Obtain Certificates	Specify whether or not certificates are automatically obtained when sending and receiving e-mail messages.
Print S/MIME Information	Select whether or not S/MIME information is printed when sending and receiving e-mail messages.

1 Touch [5 Network Setting] in the Administrator Settings screen.

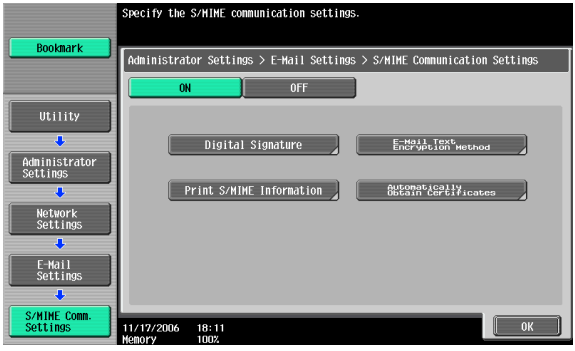
– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [7 E-Mail Settings] in the Network Settings screen.

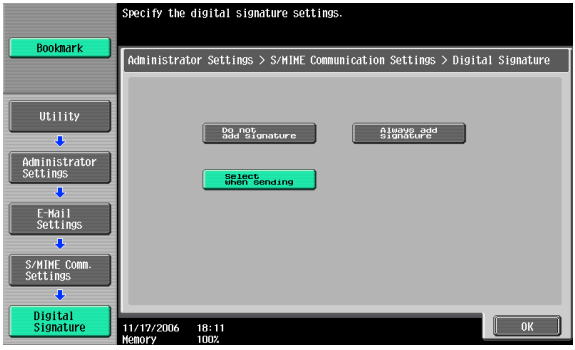
3 Touch [3 S/MIME Communication Settings].

The S/MIME Communication Settings screen appears.

4 To enable S/MIME communication settings, touch [ON], and then specify the desired settings.



– Digital Signature



– E-Mail Text Encryption Method

– Print S/MIME Information

– Automatically Obtain Certificates

5 Touch [OK], and then touch [OK] in the next screen that appears.

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The S/MIME details are specified.

4.12 SNMP Settings

Specify SNMP settings. Settings can be specified for the following.

SNMP Setting screen 1/3

Parameter	Description
SNMP v1/v2c (IP)	Select whether or not SNMP v1/v2c (IP) is used.
SNMP v3 (IP)	Select whether or not SNMP v3 (IP) is used.
SNMP v1 (IPX)	Select whether or not SNMP v1 (IPX) is used.

SNMP Setting screen 2/3

Parameter	Description
UDP Port Number	Specify the UDP port number. To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired port number. (Range: 1 to 65535)
SNMP v1/v2c Settings	Specify the settings when v1 or v2c is selected. For details, refer to “SNMP v1/v2c Settings” on page 4-98.
SNMP v3 Settings	Specify the settings when v3 is selected. For details, refer to “SNMP v3 Settings” on page 4-100.

SNMP Setting screen 3/3

Parameter	Description
Permission Settings	Select whether to permit or prohibit TRAP.
TRAP Setting When Authentication Failed	Select whether or not to enable TRAP when authentication failed.

Detail

If an IP address or IPX address is specified with “Status Notification Setting”, use the TRAP function with SNMP. Set “TRAP Setting” on the SNMP Setting screen to “Allow”.

For details on “Status Notification Setting”, refer to “Status Notification Setting” on page 4-125.

1 Touch [5 Network Setting] in the Administrator Settings screen.

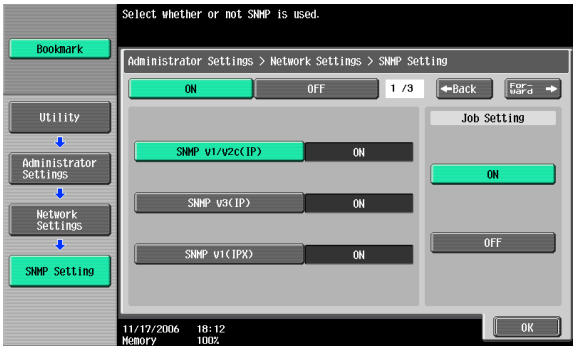
– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [8 SNMP Settings] in the Network Settings screen.

SNMP Setting screen 1/3 appears.

3 To enable the SNMP settings, touch [ON], and then specify the desired settings.

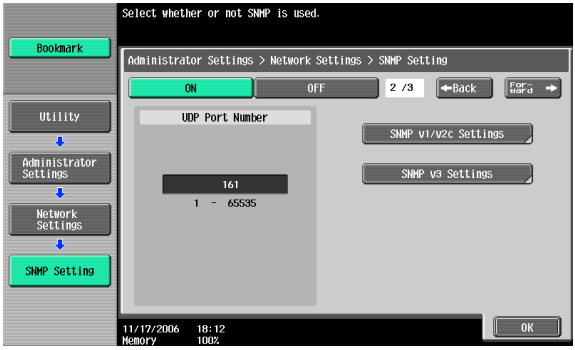
– Select the desired settings, and then touch [OK].



4 Touch [Fwd.→].

SNMP Setting screen 2/3 appears.

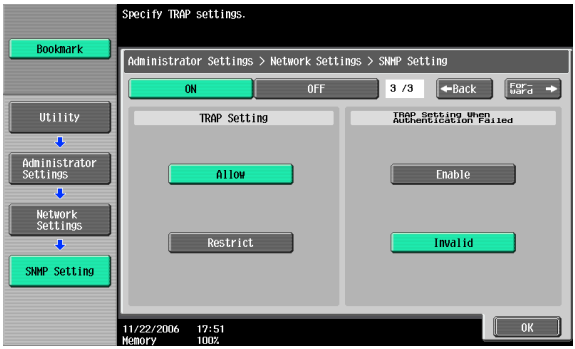
5 Specify the desired settings.



6 Touch [Fwd.→].

SNMP Setting screen 3/3 appears.

7 Specify the desired settings.



8 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

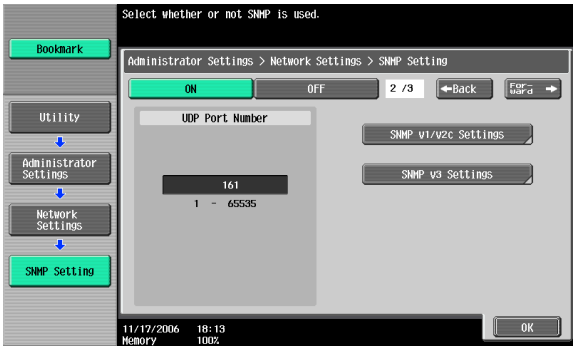
The SNMP settings are specified.

SNMP v1/v2c Settings

Specify the detailed settings for SNMP v1/v2c. Settings can be specified for the following.

Parameter	Description
Read Community Name Settings	Specify the name of the read community. The default setting is “public”. Use the keyboard that appears in the touch panel to type in the read community name.
Write Settings	Select whether to enable or disable the write permissions.
Write Community Name Settings	Specify the name of the write community. The default setting is “private”. Use the keyboard that appears in the touch panel to type in the write community name.

1 Touch [SNMP v1/v2c Settings] in the SNMP Setting screen.



SNMP v1/v2c Settings screen 1/2 appears.

2 Specify the desired settings.

3 Touch [Fwd.→].

SNMP v1/v2c Settings screen 2/2 appears.

4 Specify the desired settings.

5 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The SNMP Setting screen appears again.

SNMP v3 Settings

Specify the detailed settings for SNMP v3. Settings can be specified for the following.

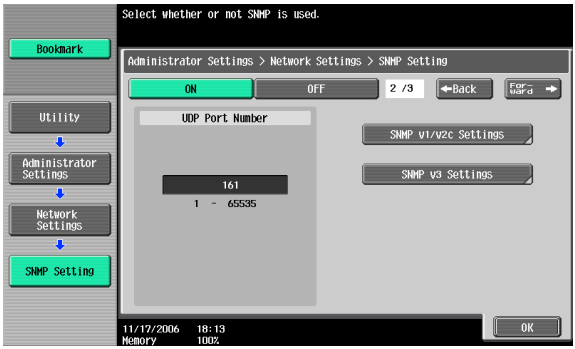
Parameter	Description
Context Name Settings	Specify the context name. Use the keyboard that appears in the touch panel to type in the context name (63 characters or less).
Discovery User Permissions	Select whether or not to enable the discovery user permissions.
Discovery User Name Settings	Specify the discovery user name. Use the keyboard that appears in the touch panel to type in the discovery user name (32 characters or less).
Read User Name Settings	Specify the read user name. Use the keyboard that appears in the touch panel to type in the read user name (32 characters or less).
Security Level	Select the authentication security level.
Password Setting (Read)	Specify the authentication password. Type in a password (32 characters or less) for each security level. If “auth-password” is selected, type in “Read auth”. If “auth-password/privpassword” is selected, type in “Read auth” and “Read priv”.
Write User Name Settings	Specify the write user name. Use the keyboard that appears in the touch panel to type in the write user name (32 characters or less).
Security Level	Select the authentication security level.

Parameter	Description
Password Setting (Write)	Specify the authentication password. Type in a password (32 characters or less) for each security level. If “auth-password” is selected, type in “Write auth”. If “auth-password/privpassword” is selected, type in “Write auth” and “Write priv”.
Encryption Algorithm	Select the encryption algorithm.
Authentication Algorithm	Select the authentication algorithm.

When specifying settings for the following, do not use the text indicated below.

Parameter	Text that cannot be used		
SNMP v3 Context Name Discovery User Name Read User Name Read User auth-password Read User Priv-Password Write User Name Write User Auth-Password Write User Priv-password	snmpconf	basic_setup	proc
	procfix	exec	execfix
	disk	includeAllDisks	load
	file	master	AgentXSocket
	agentx	AgentXTimeout	AgentXRetries
	agentPingInterval	smuxpeer	dlmod
	snmpd	rouser	noauth
	auth	priv	authPriv
	noAuthNoPriv	rwuser	rocommunity
	rwcommunity	rocommunity6	rwcommunity6
	com2sec	com2sec6	group
	access	view	engineID
	createUser	syslocation	syscontact
	sysname	sysservices	sysdescr
	sysobjectid	agentaddress	agentgroup
	agentuser	interface	ignoredisk
	storageUseNFS	authtrapenable	override
	trapcommunity	trapsink	trap2sink
	informsink	trapsess	proxy
	pass	pass_persist	disablePerl
	perlInitFile	perl	agentSecName
	monitor	notificationEvent	linkUpDownNotifications
	defaultMonitors	linkUpTrap	linkUp
	linkDownTrap	linkDown	injectHandler
	stash_cache	debug	read_only
	serialize	bulk_to_next	any
	v1	v2c	usm
	exact	prefix	

1 Touch [SNMP v3 Settings] in the SNMP Setting screen.



SNMP v3 Setting screen 1/5 appears.

2 Specify the desired settings.

3 Touch [Fwd.→].

SNMP v3 Setting screen 2/5 appears.

4 Specify the desired settings.

5 Touch [Fwd.→].

SNMP v3 Setting screen 3/5 appears.

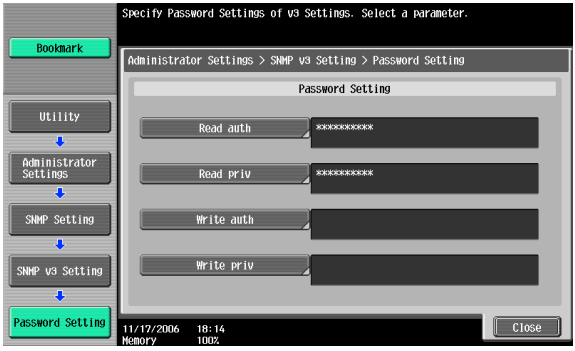
6 Specify the desired settings.

7 Touch [Fwd.→].

SNMP v3 Setting screen 4/5 appears.

8 Specify the desired settings.

– If “auth-password” or “auth-password/privpassword” is selected under “Security Level”, touch [Password Setting], and then specify the password.



9 Touch [Fwd.→].

SNMP v3 Setting screen 5/5 appears.

10 Specify the desired settings.

11 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The SNMP Setting screen appears again.

4.13 AppleTalk Settings

Specify the settings for network printing using AppleTalk. Settings can be specified for the following.

Parameter	Description
Printer Name	Specify the name of the machine that appears in the AppleTalk network. Use the keyboard that appears in the touch panel to type in the name (31 characters or less).
Zone Name	Specify the name of the zone where this machine is connected. Use the keyboard that appears in the touch panel to type in the zone name (31 characters or less).
Current Zone	The current zone name is displayed.

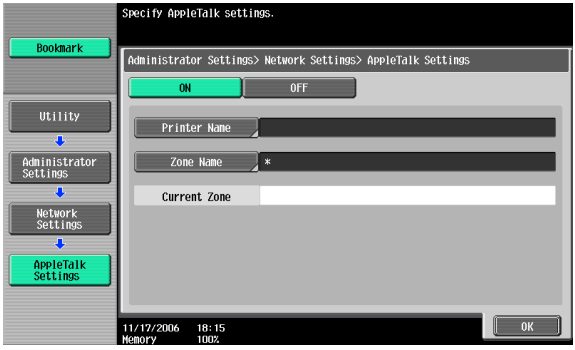
1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [9 AppleTalk Settings] in the Network Settings screen.

The AppleTalk Setting screen appears.

3 To use AppleTalk, touch [ON], and then specify the desired settings.



4 Touch [OK].

5 Touch [Close].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

4.14 Bonjour Settings

Specify the Bonjour settings. Settings can be specified for the following.

Parameter	Description
Bonjour Name	Specify the name used with Bonjour. Use the keyboard that appears in the touch panel to type in the name (63 characters or less).

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [0 Bonjour Settings] in the Network Settings screen.

The Bonjour Setting screen appears.

3 To use Bonjour, touch [ON], and then specify the desired settings.

4 Touch [OK].

5 Touch [Close].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

4.15 TCP Socket Settings

Specify the TCP socket settings. TCP socket is used during data transmissions between the computer application and this machine.

TCP Socket

Select whether or not the TCP socket setting is used. Settings can be specified for the following.

Note

If "TCP Socket Setting" is set to "OFF", it may no longer be possible to use some applications on the computer.

If authentication is performed with PageScope Authentication Manager, specify the SSL/TLS settings, and then enable the "Use SSL/TLS" of the TCP Socket and OpenAPI settings.

For details on the OpenAPI settings, refer to "Open API Settings" on page 3-73.

When SSL settings are not specified

Parameter	Description
Port Number	Specify the port number to be used. To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired port number. (Range: 1 to 65535)

When SSL settings are specified

Parameter	Description
Use SSL/TLS	Select whether or not SSL/TLS is used in communication where TCP socket is used.
Port Number	Specify the port number to be used. To change the setting, touch [Input], press the C (clear) key, and then use the keypad to type in the desired port number. (Range: 1 to 65535)
Port Number (SSL/TLS)	Specify the port number to be used with SSL/TLS communication. To change the setting, touch [Input], press the C (clear) key, and then use the keypad to type in the desired port number. (Range: 1 to 65535)

Detail

If a certificate is enabled with this machine, settings such as the port number used with SSL/TLS can be specified. Specify the appropriate settings for SSL communication.

If external server authentication is specified, "Use SSL/TLS" automatically changes to "ON". To enable authentication, turn the machine off, then on again after specifying the external server authentication settings.

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to "Displaying the Administrator Settings screen" on page 3-7.

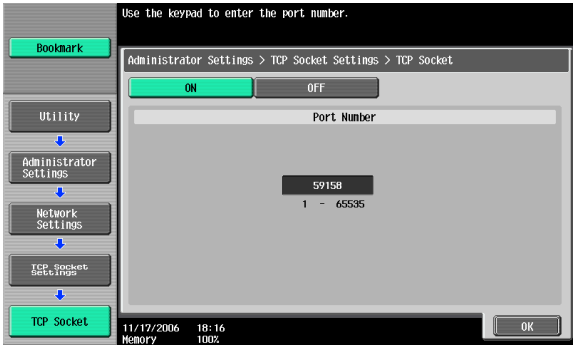
2 Touch [Fwd.→] in the Network Settings screen, and then touch [1 TCP Socket Settings].

3 Touch [1 TCP Socket].

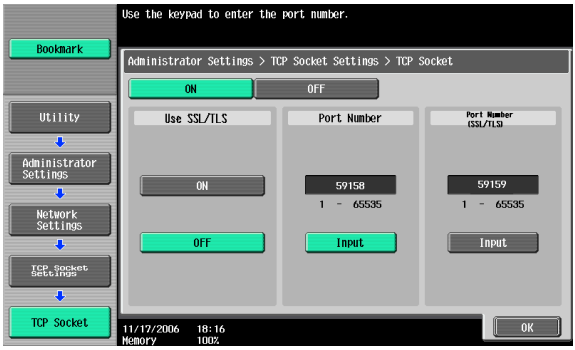
The TCP Socket screen appears.

4 To use TCP socket, touch [ON], and then specify the desired settings.

– When SSL settings are not specified



– When SSL settings are specified



5 Touch [OK].

6 Touch [Close].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

TCP Socket (ASCII Mode)

Specify the settings to display PageScope Web Connection with Flash.

Parameter	Description
Port Number (ASCII Mode)	Specify the number of the port used in ASCII mode. To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired port number. (Range: 1 to 65535)

Note

If "TCP Socket Setting" is set to "OFF", it may no longer be possible to use some applications on the computer.

1 Touch [5 Network Setting] in the Administrator Settings screen.

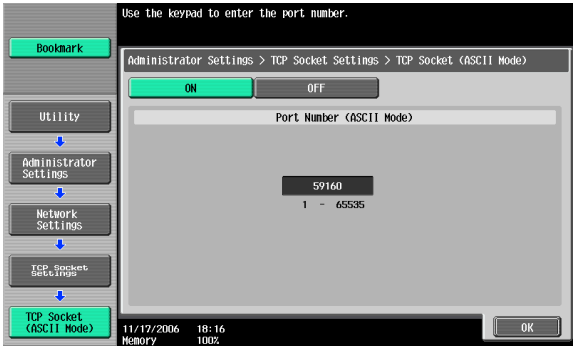
– For details on displaying the Administrator Settings screen, refer to "Displaying the Administrator Settings screen" on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [1 TCP Socket Settings].

3 Touch [2 TCP Socket (ASCII Mode)].

The TCP Socket (ASCII Mode) screen appears.

4 To use TCP socket (ASCII mode), touch [ON], and then specify the desired settings.



5 Touch [OK].

6 Touch [Close].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

4.16 WebDAV Client Settings

Specify the machine settings for sending WebDAV transmissions. Settings can be specified for the following.

WebDAV Client Settings screen 1/3

Parameter	Description
Proxy Server Address	To communicate through a proxy server, specify the address of the proxy server. When specifying a DNS server, the host name can be specified.
Proxy Server Port Number	Specify the port number. (Range: 1 to 65535)

WebDAV Client Settings screen 2/3

Parameter	Description
User Name	Specify the user name (63 characters or less) of the proxy server.
Password	Specify the password (63 characters or less) for the proxy server.

WebDAV Client Settings screen 3/3

Parameter	Description
Connection Timeout	Specify the length of time until a connection with the server times out. (Range: 5 to 300 seconds)

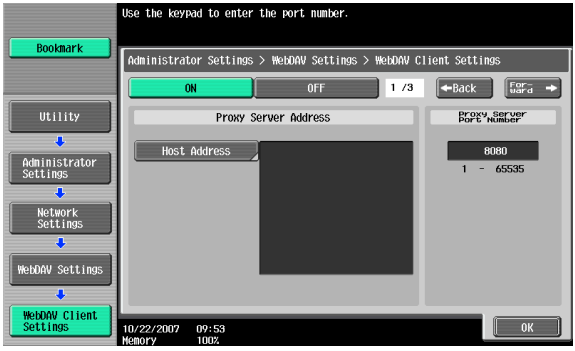
1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [3 Web-DAV Settings].

3 Touch [1 WebDAV Client Settings].

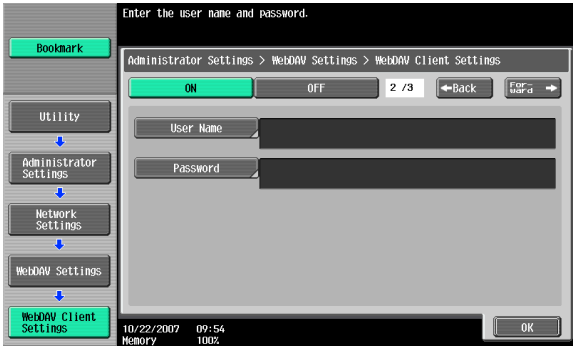
4 To send WebDAV transmissions, touch [ON], and then specify the desired settings.



5 Touch [Fwd.→].

WebDAV Client Settings screen 2/3 appears.

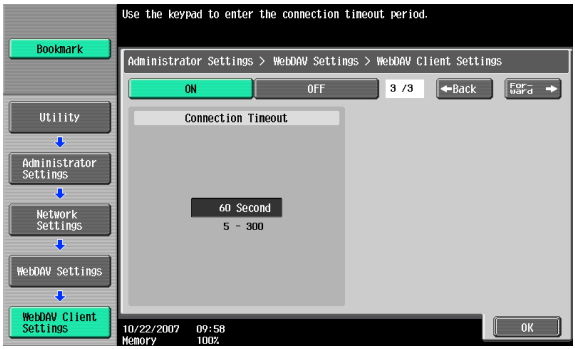
6 Specify the desired settings.



7 Touch [Fwd.→].

WebDAV Client Settings screen 3/3 appears.

8 Specify the desired settings.



9 Touch [OK].

10 Touch [Close].

4.17 WebDAV Server Settings

Specify the WebDAV server settings for this machine. When these settings are specified, this machine can be used as a Web server. Specify these settings if an application is used that links to this machine as a WebDAV client. Settings can be specified for the following parameters.

Parameter	Description
SSL Setting	SSL encryption can be applied to communication between applications. When using SSL/TLS, select either “SSL Only” or “SSL/Non-SSL”.
Password Setting	Specify the password required to access the WebDAV server (this machine). The default password is “sysadm”. [Password Setting]: Touch to change the password from the default setting. [Initial Password]: Touch to return the password to its default settings.

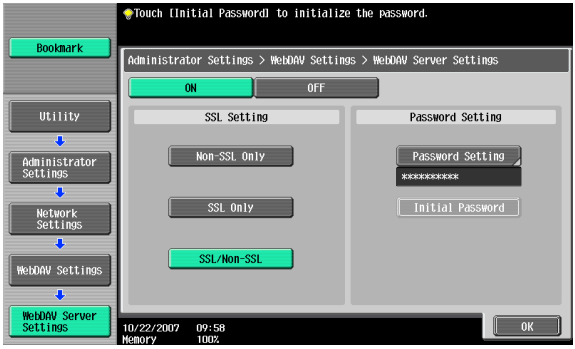
1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [Fwd.Æ] in the Network Settings screen, and then touch [3 WebDAV Settings].

3 Touch [2 WebDAV Server Settings].

4 To use this machine as a WebDAV server, touch [ON], and then specify the desired settings.



5 Touch [OK].

6 Touch [Close].

4.18 Web Service Settings

Specify the settings for printing and scanning using Web Service.

Web Service Common Settings

Specify shared Web Service settings for printing and scanning. Settings can be specified for the following.

Parameter	Description
Friendly Name	Specify the friendly name (63 characters or less) recognized by the computer.
SSL Setting	Select whether or not SSL is used with Web Service.

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [4 Web Service Settings].

3 Touch [1 Web Service Common Settings].

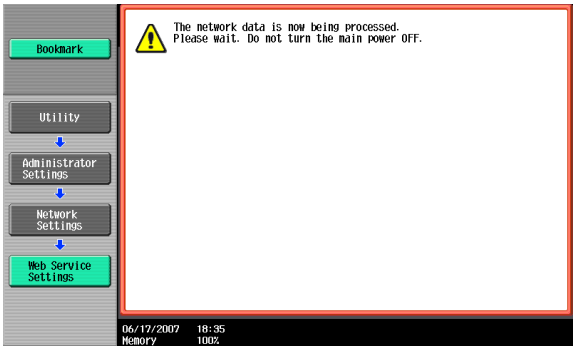
4 Specify the desired settings.

– To specify a friendly name, touch [Friendly Name], and then type in the name from the control panel.

5 Touch [Close].

6 Touch [OK].

A message appears, indicating that network data is being edited. Do not turn off the main power switch while this message is displayed.



Scanner Settings

Specify the Web Service settings related to scanning. Settings can be specified for the following.

Parameter	Description
Scanner Name	Specify the name of the scanner (up to 63 characters).
Scanner Location	Specify the setup location of the scanner (up to 63 characters).
Scanner Information	Type in information for the scanner (up to 63 characters).
Connection Timeout	Specify the length of time until the connection between this machine and the computer times out. (Range: 30 to 300 seconds)

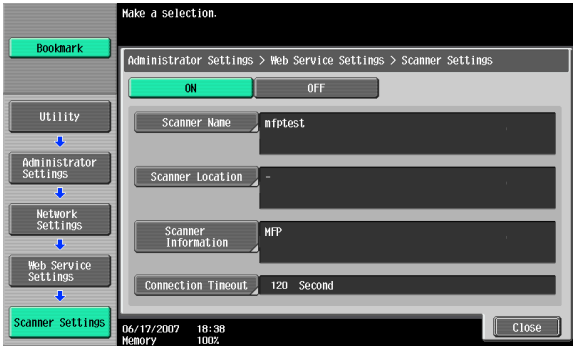
1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [4 Web Service Settings].

3 Touch [3 Scanner Settings].

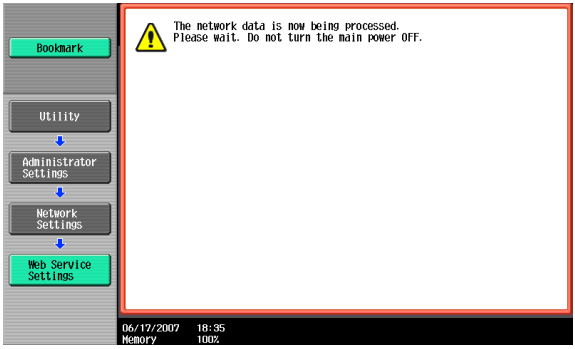
4 To use this machine as a scanner, touch [ON], and then specify the desired settings.



5 Touch [Close].

6 Touch [OK].

A message appears, indicating that network data is being edited. Do not turn off the main power switch while this message is displayed.



4.19 Device Setting

Specify device information settings. Settings can be specified for the following.

Parameter	Description
MAC Address	The Mac address of the network card for this machine is displayed.
Network Speed	Specify the network speed. After changing the setting, be sure turn the machine off, then on again with the main power switch.

1 Touch [5 Network Setting] in the Administrator Settings screen.

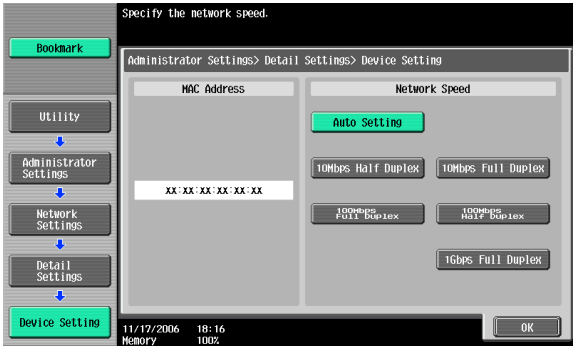
– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [5 Detail Setting].

3 Touch [1 Device Setting].

The Device Setting screen appears.

4 Specify the desired settings.



5 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The device information is specified.

Reminder

When the machine is turned off, then on again with the main power switch, wait at least 10 seconds to turn on the machine after turning it off; otherwise, the machine may not function correctly.

4.20 Time Adjustment Setting

The machine's system clock can be correctly adjusted via the network. In order to use NTP to automatically adjust the date/time, the time zone must be specified first. For details on specifying the time zone, refer to the User's Guide [Copy Operations]. Settings can be specified for the following.

Parameter	Description
NTP Server Setting	Specify the address of the NTP server. For details, refer to "NTP server address" on page 4-123.
Port Number	Specify the number of the port used for communicating with the NTP server. To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired port number. (Range: 1 to 65535)

Reminder

After the setting is specified, touch [Set Date] (displayed by touching [1 System Settings] on the Administrator Settings screen, then [Date & Time Setting]). The automatic adjustment will not be performed periodically.

1 Touch [5 Network Setting] in the Administrator Settings screen.

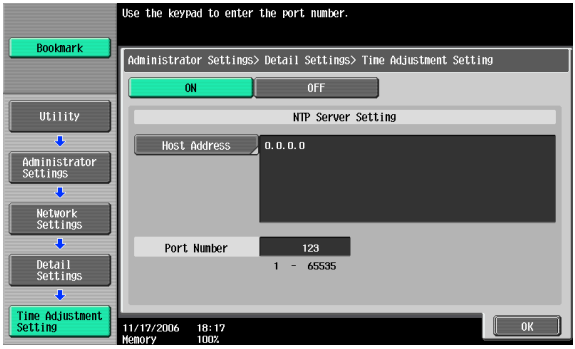
– For details on displaying the Administrator Settings screen, refer to "Displaying the Administrator Settings screen" on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [5 Detail Settings].

3 Touch [2 Time Adjustment Setting].

The Time Adjustment Setting screen appears.

4 To adjust the time, touch [ON], and then specify the desired settings.



5 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

NTP server address

Specify the address of the NTP server.

1 Touch [Host Address] in the Time Adjustment Setting screen.

The Host Address screen appears.

2 Select the method for specifying the host address.

– To specify the host address as an IPv4 address, touch [IPv4 Address Input].
– To specify the host address as an IPv6 address, touch [IPv6 Address Input].
– To specify the host address as a host name, touch [Host Name Input].
– When [Host Name Input] is touched, check that the DNS setting is correctly specified. For details, refer to “TCP/IP Settings” on page 4-17.

3 Type in the host address (255 characters or less for a host name).

– To correct the entered IP address, touch [←] or [→] to move the cursor to the character to be changed, touch [Delete], and then type in the desired number.
– To clear all entered values, press the [C] (clear) key.
– For details on typing in text, refer to “Entering text” on page 6-4.

4 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The address of the NTP server is specified.

4.21 Status Notification Setting

Specify settings for sending notification of the machine's status by e-mail to the administrator. The status notification is sent if a notification destination e-mail address is entered and if any of the notification conditions have been set to "ON".

The following notification addresses can be specified.

- IP address
- IPX address
- E-mail address

Note

Up to five IP addresses can be specified.

If an IP address or IPX address is to be specified, use the TRAP function with SNMP. Set "TRAP Setting" on the SNMP Setting screen to "Allow".

For details on "SNMP Settings", refer to "SNMP Settings" on page 4-96.

Specifying an IP address

Settings can be specified for the following.

Parameter	Description
Address	Specify the notification host address.
Port Number	Specify the port number to be used for communication. To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired port number. (Range: 1 to 65535)
Community Name	Type in the community name (15 characters or less).
Notification Item	Specify the conditions when notification of the machine's status is sent. For details, refer to "Notification Item" on page 4-132.

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to "Displaying the Administrator Settings screen" on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [5 Detail Settings].

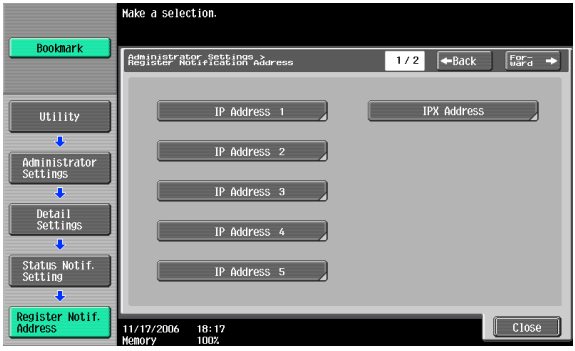
3 Touch [3 Status Notification Setting].

The Status Notification Setting screen appears.

4 Touch [1 Notification Address Setting].

The Notification Address Setting screen appears.

5 Touch the button for the IP address to be specified.



6 Touch [Host Address].

The Host Address screen appears.

7 Select the method for specifying the host address.

- To specify the host address as an IPv4 address, touch [IPv4 Address Input].
- To specify the host address as an IPv6 address, touch [IPv6 Address Input].
- To specify the host address as a host name, touch [Host Name Input].
- When [Host Name Input] is touched, check that the DNS setting is correctly specified. For details, refer to “TCP/IP Settings” on page 4-17.

8 Type in the host address (255 characters or less for a host name), and then touch [OK].

- To correct the entered IP address, touch [←] or [→] to move the cursor to the character to be changed, touch [Delete], and then type in the desired number.
- To clear all entered values, press the [C] (clear) key.
- For details on typing in text, refer to “Entering text” on page 6-4.

9 Specify other desired settings, and then touch [OK].

- To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

Specifying an IPX address

Settings can be specified for the following.

Parameter	Description
Network Address	Specify the 8-digit hexadecimal network address.
Node Address	Specify the 12-digit hexadecimal node address.
Community Name	Type in the community name (15 characters or less).
Notification Item	Specify the conditions when notification of the machine's status is sent. For details, refer to "Notification Item" on page 4-132.

Note

One IPX address can be specified.

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to "Displaying the Administrator Settings screen" on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [5 Detail Settings].

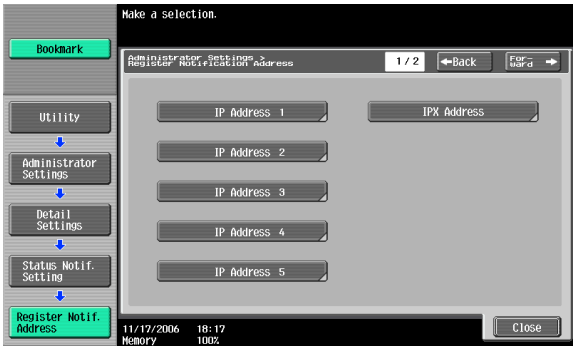
3 Touch [3 Status Notification Setting].

The Status Notification Setting screen appears.

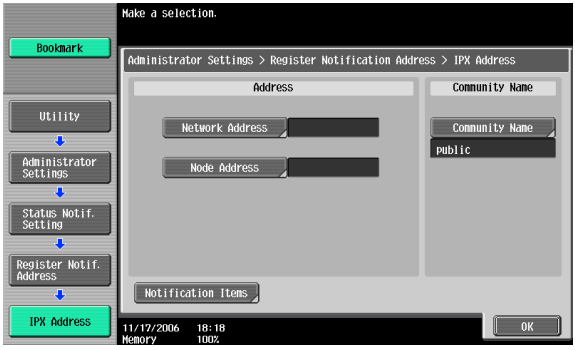
4 Touch [1 Notification Address Setting].

The Register Address screen appears.

5 Touch [IPX Address].



6 Specify the desired settings.



7 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

Specifying an e-mail address

Settings can be specified for the following.

Parameter	Description
E-Mail Address Edit	Type in the notification e-mail address (320 characters or less).
Notification Item	Specify the conditions when notification of the machine's status is sent. For details, refer to "Notification Item" on page 4-132.

Detail

Up to ten e-mail addresses can be specified.

In order to use this function, the e-mail transmission settings must be correctly specified. For details, refer to "E-Mail TX (SMTP)" on page 4-74.

Use PageScope Web Connection to specify the setting for "Printer Location", which is included in the e-mail message sent with the status notification function, For details, refer to "IPP Setting" in the User's Guide [PageScope Web Connection Operations].

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to "Displaying the Administrator Settings screen" on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [5 Detail Settings].

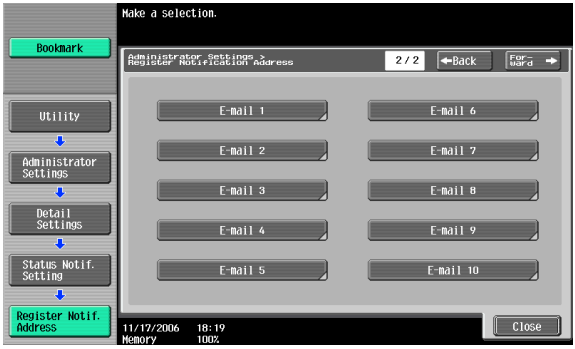
3 Touch [3 Status Notification Setting].

The Status Notification Setting screen appears.

4 Touch [1 Notification Address Setting].

The Register Address screen appears.

5 Touch [Fwd.→], and then touch the button for the e-mail address to be specified.



6 Specify the desired settings.

7 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

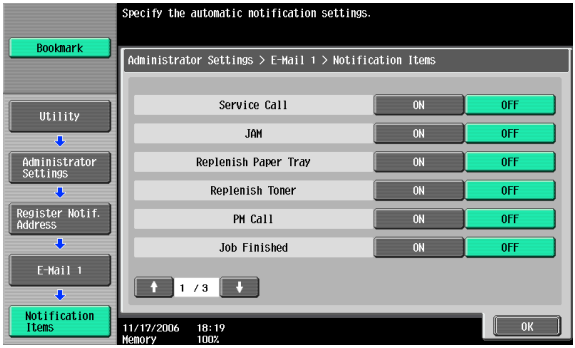
Notification Item

Specify the conditions when notification of the machine's status is sent.

1 Touch [Notification Item] in the address setting screen.

The Notification Items screen appears.

2 Touch [ON] or [OFF] for each operation.



3 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The conditions when notification of the machine's status is sent are specified.

4.22 Total Counter Notification Settings

Specify the schedule and destination of notifications about the total counter. Settings can be specified for the following.

Parameter	Description
Notification Schedule Setting	Specify the time when notification of the total counter is sent. Two notification schedules can be specified. For details, refer to “Notification Schedule Setting” on page 4-134.
Address Setting	Specify the e-mail address where notifications will be sent. A schedule can be specified for each address. For details, refer to “Address Setting” on page 4-136.
Model Name	Specify the name of the model indicated in the notification message. Use the keyboard that appears in the touch panel to type in the model name (20 characters or less).
Send	Touch this button to send the current total counter information to the specified destination.

1 Touch [5 Network Setting] in the Administrator Settings screen.

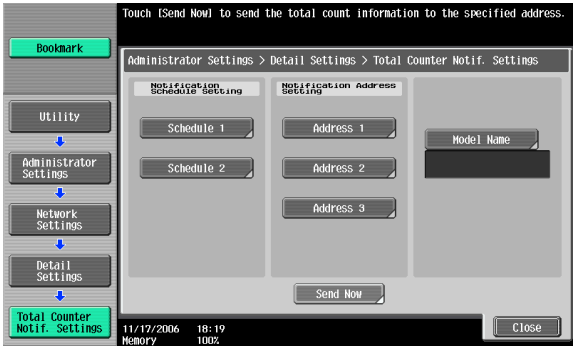
– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [5 Detail Settings].

3 Touch [4 Total Counter Notification Settings].

The Total Counter Notif. Setting screen appears.

4 Specify the desired settings.



5 Touch [Close].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

Notification Schedule Setting

Specify the schedule for sending total counter notifications. As an example, the procedure for specifying settings for “Schedule 1” is described below.

1 Touch [Schedule 1] in the Total Counter Notif. Setting screen.

The Schedule Set screen appears.

2 Specify settings for the following.

– If “Day” is selected under “Notification Frequency Setting”, specify the interval of days when the notification is sent.
– To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired value. (Range: 1 to 31)

– If “Week” is selected under “Notification Frequency Setting”, specify the weekly frequency for sending the notification. In addition, select the day of the week when the notification is sent.
– To change the setting, press the [C] (clear) key, and then use the keypad to type in the desired value. (Range: 1 to 6)

– If “Month” is selected under “Notification Frequency Setting”, specify the monthly frequency for sending the notification. In addition, select the date of the month when the notification is sent.
– To change the setting under “Monthly Frequency”, touch [Input], press the [C] (clear) key, and then use the keypad to type in the desired value. (Range: 1 to 6)

– To change the setting under “Date Setting”, touch [Input], press the [C] (clear) key, and then use the keypad to type in the desired value. (Range: 1 to 31)

3 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The Total Counter Notif. Setting screen appears again.

Address Setting

Specify the e-mail address where total counter notifications will be sent. Up to three addresses can be specified. As an example, the procedure for specifying settings for “Address 1” is described below.

1 Touch [Address 1] in the Total Counter Notif. Setting screen.

The Address screen appears.

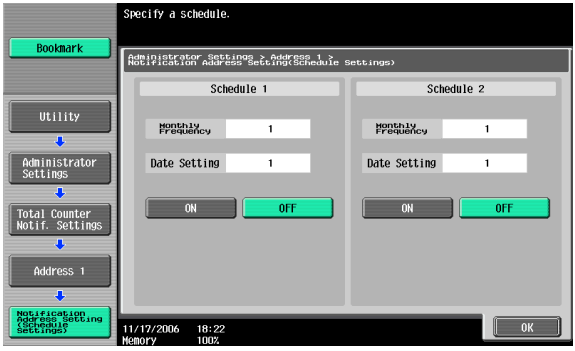
2 Touch [E-Mail Address Edit], and then use the keyboard that appears in the touch panel to type in the e-mail address (255 characters or less).

3 Touch [OK].

4 Touch [Schedule Settings].

The Notification Address Setting screen appears.

5 Select whether or not each schedule is applied using this address.



6 Touch [Close], and then touch [Close] in the next screen that appears.

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

The Total Counter Notif. Setting screen appears again.

4.23 PING Confirmation

Specify the settings for checking the TCP/IP network by pinging. Specify the address to be used to verify whether or not the network is connected.

1 Touch [5 Network Setting] in the Administrator Settings screen.

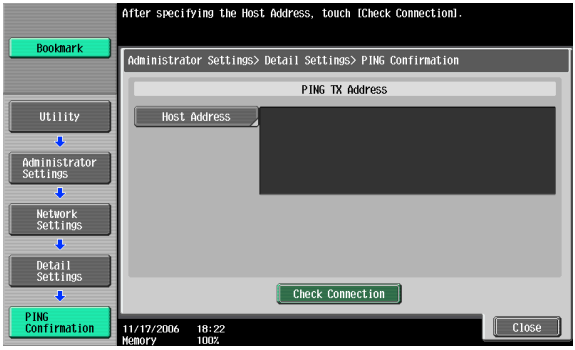
– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [5 Detail Settings].

3 Touch [5 PING Confirmation].

The PING Confirmation screen appears.

4 Touch [Host Address].



The Host Address screen appears.

5 Select the method for specifying the host address.

– To specify the host address as an IPv4 address, touch [IPv4 Address Input].
– To specify the host address as an IPv6 address, touch [IPv6 Address Input].
– To specify the host address as a host name, touch [Host Name Input].

– When [Host Name Input] is touched, check that the DNS setting is correctly specified. For details, refer to “TCP/IP Settings” on page 4-17.

6 Type in the host address (255 characters or less for a host name), and then touch [OK].

– To correct the entered IP address, touch [←] or [→] to move the cursor to the character to be changed, touch [Delete], and then type in the desired number.
– To clear all entered values, press the [C] (clear) key.
– For details on typing in text using the keyboard that appears in the touch panel, refer to “Entering text” on page 6-4.

7 Touch [Check Connection].

A ping is sent to check the connection.

8 Check the results, and then touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

4.24 SLP Setting

Specify whether or not SLP is used. If “Enable” is selected, devices can be searched using TWAIN. If “Disable” is selected, devices cannot be searched.

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [5 Detail Settings].

3 Touch [6 SLP Setting].

The SLP Setting screen appears.

4 Specify the desired settings.

5 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

4.25 LPD Setting

Select whether or not LPD is used when printing.

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [5 Detail Settings].

3 Touch [7 LPD Setting].

The LPD Setting screen appears.

4 Specify the desired settings.

5 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

4.26 Prefix/Suffix Setting

Registered characters can be added when an e-mail address is being entered for e-mail transmissions. This eliminates the trouble of typing in text that is frequently entered, such as domain names.

ON/OFF Setting

Select whether or not the prefix/suffix function is used.

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [5 Detail Settings].

3 Touch [8 Prefix/Suffix Settings].

The Prefix/Suffix Setting screen appears.

4 Touch [1 ON/OFF Setting].

5 Specify the desired settings.

– If [ON] is selected, continue with the registration of prefixes/suffixes.

6 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

Prefix/Suffix Setting

Text can be registered to be used by the prefix/suffix function.

Detail

Up to eight prefixes and suffixes can be registered.

For details on typing in text, refer to "Entering text" on page 6-4.

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to "Displaying the Administrator Settings screen" on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [5 Detail Settings].

3 Touch [8 Prefix/Suffix Setting].

The Prefix/Suffix Setting screen appears.

4 Touch [2 Prefix/Suffix Setting].

5 Specify the text to be registered as a prefix or suffix. Touch [Prefix].

The Prefix screen appears.

6 Type in the text to be used as a prefix (20 characters or less).

7 Touch [OK].

The Prefix is specified.

8 Touch [Suffix].

The Suffix screen appears.

9 Type in the text to be used as a suffix (64 characters or less).

10 Touch [OK].

The suffix is specified.

11 Touch [Close].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

4.27 Action for Invalid Certificate

Select what operation is performed if the period of validity for the SSL sever certificate has expired when this machine is connecting to an SSL server as a client.

This setting is applied to the following functions.

- SMTP over SSL
- POP over SSL
- LDAP over SSL
- WebDAV over SSL
- When using SSL to communicate from this machine to Windows Vista with Web Service

1 Touch [5 Network Setting] in the Administrator Settings screen.

– For details on displaying the Administrator Settings screen, refer to “Displaying the Administrator Settings screen” on page 3-7.

2 Touch [Fwd.→] in the Network Settings screen, and then touch [5 Detail Settings].

3 Touch [9 Action for Invalid Certificate].

The Action for Invalid Certificate screen appears.

4 Specify the desired settings.

– If “Continue” is selected, the job continues, even if the period of validity for the server certificate has expired.
– If “Delete the Job” is selected, the job is deleted if the period of validity for the server certificate has expired.

5 Touch [OK].

– To cancel changes to the settings, touch the menu item name in the Bookmark screen to return to the selected screen without applying the changes to the settings.

5 Scan function troubleshooting

5 Scan function troubleshooting

5.1 Troubleshooting

If an error message appears when connecting to the machine from a computer

Check the IP address of the machine.

If a connection is still not possible, contact your network administrator.

If “SMTP cannot be used.” or “FTP cannot be used.” appears

Check that the network cable is correctly connected.

If the HDD Ready indicator indicates an HDD malfunction

Contact your technical representative.

5.2 Network error message list

If an error message appears, perform the corresponding operation described below.

Message	Cause and remedy
Cannot connect to the network.	A connection to the network could not be established. Check if the network cable is correctly connected. In addition, check that the Network Settings parameters in Administrator mode have been correctly specified.
The destination cannot be selected because the number of destinations has exceeded the max. number of broadcasting possible.	The number of destinations specified exceeds the number possible for a broadcast transmission. Reduce the number of broadcast destinations, or send the transmission in multiple batches.
Image could not be saved in the User Box due to insufficient HDD capacity. Check log.	The hard disk is full. Delete unnecessary data, and then try saving the data again.
The number of User Boxes has reached its maximum.	The number of user boxes that can be registered has reached the maximum number possible. Delete unnecessary user boxes, and then try registering new boxes again.
This user box has reached its maximum number of pages allowed.	The number of documents that can be saved in a user box has reached the maximum number possible. Delete unnecessary documents, and then try saving the document again.
The number of programmed jobs has reached the max. allowance. Wait until a programmed job is completed.	The number of jobs that can be programmed has reached the maximum number possible. Wait until a job has been completed, or delete a current job.

6 Appendix

6 Appendix

6.1 Product specifications

Scanning functions

Item	Specifications
Scan speed	55 pages/minute (8-1/2 × 11 (Letter))
Scannable range	Same as the copier (11 × 17 (Ledger) maximum)
Functions	Scan to E-Mail Scan to FTP Scan to SMB Scan to WebDAV Web service scan Save in User BOX
Scanner resolution	200/300/400/600 dpi
Scannable paper size	8-1/2 × 11 ◪ / 8-1/2 × 11 / 5-1/2 × 8-1/2 / 5-1/2 × 8-1/2 ◪ 8-1/2 × 14 / 11 × 17 / 4 × 6
Special functions	Mixed Original, Z-Folded Original, Long Original, Binding Position, Erase, Book Scanning, Original Direction, Stamp/Composition

Network Functions

Item	Specifications
Type	Embedded
Frame type	IEEE802.2/802.3 / Ethernet II / IEEE802.3SNAP
Cable type	10Base-T / 100Base-TX / 1000Base-T
Connector	RJ-45
Mainly supported protocols	TCP/IP (IPv4/IPv6), BOOTP, ARP, ICMP, DHCP, AutoIP, SLP, SNMP, FTP, LPR/LPD, RAW Socket, SMB over TCP/IP, IPP, HTTP, POP, SMTP, LDAP, NTP, SSL, IPX/SPX, AppleTalk, Bonjour, NetBEUI, WebDAV, DPWS, S/MIME, Ipsec, DNS, DynamicDNS
Supported LDAP servers	OpenLDAP 2.1x, Active Directory, Exchange 5.5/2000/2003, Sun Java Directory Server (Netscape/iPlanet Directory Server), Novell NetWare 5.x/6.x NDS, Novell eDirectory 8.6/8.7, LotusDominoServer (5.x/6.x)*
Supported LDAP protocol	LDAP Protocol Version 3 (Version 2 not supported)
Supported SSL versions	SSL2, SSL3, and TLS1.0 (An x.509 certificate must be installed on the server.)
Multiprotocol	Auto detection
Operating environment for PageScope Web Connection	Supported Web browsers: Microsoft Internet Explorer Ver. 6 or later (JavaScript and Cookies enabled) Netscape Navigator Ver. 7.02 or later (JavaScript and Cookies enabled) Mozilla Firefox Ver. 1.0 or later (JavaScript and Cookies enabled) Adobe® Flash® Player (plug-in version 7.0 or later required if “Flash” is selected as the display format)
Setup	Saved to non-volatile memory

* If you specify the search condition to “OR” or “END” when using the LotusDominoServer, it does not work properly.

6.2 Entering text

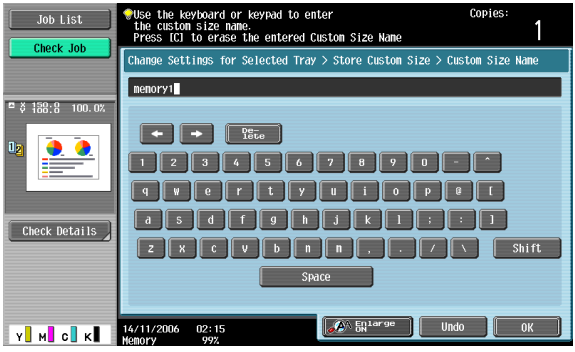
The following procedure describes how to use the keyboard that appears in the touch panel for typing in the names of registered users and custom paper sizes. The keypad can also be used to type in numbers.

Any of the following keyboards may appear.

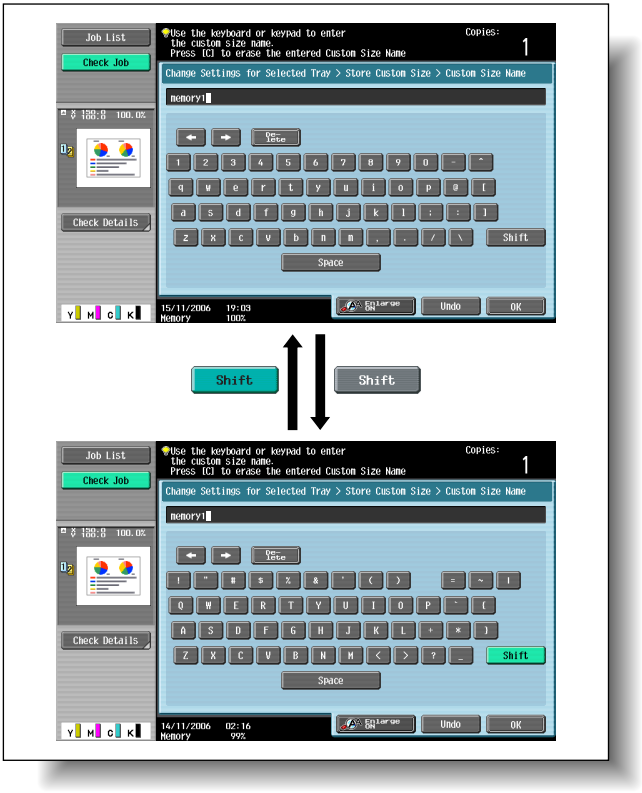
Example

Password input screen:

Screen for entering the name of a custom paper size:



Touching [Shift] switches the keyboard display between lowercase letters (numbers) and uppercase letters (symbols).



Enlarging the keyboard

The keyboard can be displayed larger so that it easier to read.

1 While the keyboard is displayed, touch [Enlarge ON].

The keyboard is displayed enlarged.

2 To cancel the enlarged display and return the keyboard to its normal size, touch [Enlarge OFF] while the keyboard is displayed enlarged.

...

Note

The keyboard is used in the same way, even when it is displayed enlarged.

To type text

➔ Touch the button for the desired character from the keyboard that appeared.
- To type in uppercase letters or symbols, touch [Shift].
- Numbers can also be typed in with the keypad.

The entered characters appear in the text box.

Note

To revert to the setting when the keyboard was displayed, touch [Cancel].

To clear all entered text, press the [C] (clear) key.

Some buttons may not appear, depending on the characters being entered.

Detail

To change a character in the entered text, touch [←] and [→] to move the cursor to the character to be changed, touch [Delete], and then type in the desired letter or number.

List of Available Characters

Alphanumeric characters/ symbols	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz space!"#$%&'()+,-./\:;<=>?@[]^_`{|}~*0123456789

6.3 Glossary

Term	Definition
10Base-T/100Base-TX/ 1000Base-T	An Ethernet standard, which is a cable consisting of twisted copper wire pairs. The transmission speed of 10Base-T is 10 Mbps, of 100Base-TX is 100 Mbps, and of 1000Base-T is 1000 Mbps.
Active directory	A service that manages all information such as hardware resources for servers, clients, and printers on a network supported by Microsoft and the attributes and access permissions of the users
Adobe® Flash®	Software developed by Adobe Systems Incorporated (formerly Macromedia, Inc.) and used to create data combining vector-graphic animation and sound, and the format of this data file. The bidirectional content can be manipulated using a keyboard and a mouse. The files can be kept relatively compact, and they can be accessed with the Web browser plug-in.
anonymous FTP	While normal FTP sites are protected by an account name and password, this type of FTP site can be used by anyone without a password by simply entering “anonymous” as the account name.
APOP	Abbreviation for Authenticated Post Office Protocol. An authentication method with encrypted passwords, which results in increased safety, as compared to the usual unencrypted passwords used by POP to retrieve e-mail messages
AppleTalk	A generic name for the protocol suite developed by Apple Computer for computer networking
Auto IP	A function for automatically acquiring the IP address. If acquisition of the IP address failed with DHCP, an IP address is acquired from the address space of 169.254.0.0.
bit	Abbreviation for Binary Digit. The smallest unit of information (data quantity) on a computer or printer. Displays data using 0 or 1.
BMP	Abbreviation for Bitmap. A file format for saving image data which uses the .bmp extension. Commonly used on Windows platforms. You can specify the color depth from monochrome (2 values) to full color (16,777,216 colors). Images are not usually compressed when saved.
Bonjour	Macintosh network technology for automatically detecting devices connected to the network and for specifying settings. Previously called “Rendezvous”, the name was changed to “Bonjour” starting with Mac OS X v10.4.
Byte	Unit of information (data quantity) on a computer or printer. Configured as 1 byte equals 8 bits.
Client	A computer that uses the services provided by a server through a network
Compact PDF	Compression method for reducing the data amount using the PDF format when converting color documents to data. The highest compression efficiency is achieved by identifying the text and image regions and using the resolution and compression method most appropriate for each region. The compact PDF format can be selected when converting documents to data using the scanning functions of this machine.

Term	Definition
Contrast	The difference in intensity between the light and dark parts of the image (light/dark variation). An image with little light/dark variation is said to have a low contrast, and an image with large light/dark variation is said to have a high contrast.
CSV	Abbreviation for Comma Separated Values. One of the formats for saving database or spreadsheet data as a text file. (The file extension is ".csv".) The data, which is separated by commas (as the delimiter), can be shared by different applications.
Default	The initial settings. The settings first selected when the machine is turned on, or the settings first specified when the function is selected.
Default gateway	A device, such as a computer or router, used as a "gateway" to access computers not on the same LAN.
Density	An indication of the amount of darkness in the image.
DHCP	Abbreviation for Dynamic Host Configuration Protocol. A protocol in which a client computer on a TCP/IP network automatically specifies the network settings from the server. With collective management of the IP address for DHCP clients on the DHCP server, you can avoid duplication of an address and you can build a network easily.
DNS	Abbreviation for Domain Name System. A system that acquires the supported IP addresses from host names in a network environment. DNS allows the user to access other computers over a network by specifying host names, instead of difficult to memorize and understand IP addresses.
DPI (dpi)	Abbreviation for Dots Per Inch. A resolution unit used by printers and scanners. Indicates how many dots per inch are represented in an image. The higher the value, the higher the resolution.
Driver	Software that works as a bridge between a computer and a peripheral device.
Dynamic authentication (LDAP setting)	An authentication method option for connecting to the LDAP server from the multifunctional product. Select this option if the name and password for logging on to the LDAP server must be entered each time by the user when referencing the destination information from the LDAP server.
Ethernet	LAN transmission line standard
File extension	The characters added to the file name in order to differentiate file formats. The file extension is added after a period, for example, ".bmp" or ".jpg".
FTP	Abbreviation for File Transfer Protocol. A protocol for transferring files over the Internet or an intranet on the TCP/IP network.
Gateway	Hardware and software used as the point where a network is connected to a network. A gateway also changes data formats, addresses, and protocols according to the connected network.
Gradation	The light and dark levels of an image. As the number increases, smoother brightness variations can be reproduced.
Grayscale	Monochrome image expressive form using the gradation information from black to white.

Term	Definition
GSS-SPNEGO/Simple/ Digest MD5	Authentication methods for logging on to the LDAP server. The authentication method (GSS-SPENGO, SIMPLE or Digest MD5) for the LDAP server differs depending on the server being used and the server settings.
Halftone	The method of producing the light and dark parts of an image through varying sizes of black and white dots.
Hard disk	Large capacity storage device for storing data. The data can be stored even if the power is turned off.
Host name	Displayed name of a device over a network
HTTP	Abbreviation for HyperText Transfer Protocol. A protocol used to send and receive data between a Web server and a client (Web browser). Documents containing images, recordings, and video clips can be exchanged with the expressive form information.
ICM	Abbreviation for Image Color Management. The color management system used by Windows. Color differences of input/output devices, such as monitors, scanners and printers, are adjusted to reproduce colors so that they are nearly the same on any device.
IMAP	Abbreviation for Internet Message Access Protocol. The protocol for retrieving e-mail messages with the function for managing mailboxes on the server. Currently, IMAP4 (the fourth version of IMAP) is most often used.
Install	To install hardware, operating systems, applications, printer drivers on to a computer.
IPP	Abbreviation for Internet Printing Protocol. A protocol that sends and receives print data and controls printers over the Internet on a TCP/IP network. Data can also be sent to printers in remote areas to print over the Internet.
IPsec	The security technology that is used with TCP/IP. A service with enhanced security can be provided by specifying the encryption of transmission packets and the authentication protocol.
IPv6	Abbreviation for Internet Protocol version 6. A protocol that was prepared to replace the currently used IPv4 protocol and provides an increase in the number of devices that can use the Internet. Additional improvements include 128-bit IP addresses and added security features.
IPX	A protocol used with NetWare and works at the network layer of the OSI reference model.
IP Address	A code (address) that is used to identify individual network devices over the Internet. A maximum of three digits for four numbers are displayed such as 192.168.1.10. IP addresses are assigned to devices, including computers, which are connected to the Internet.
JPEG	Abbreviation for Joint Photographic Experts Group. One of the file formats for saving image data. (The file extension is ".jpg".) The compression ratio is roughly 1/10 to 1/100. This format uses an effective method in the compression of continuous-tone images, such as photographs.

Term	Definition
Kerberos	A type of network authentication system used by Windows 2000 or later. Used in Active Directory authentication. Users can be safely and efficiently authenticated with a two-phase authentication (user logon and network resource usage) on a dependable site set up on the network.
LAN	Abbreviation for Local Area Network. A network which connects computers on the same floor, in the same building, or in neighboring buildings.
LDAP	Abbreviation for Lightweight Directory Access Protocol. On a TCP/IP network, such as the Internet or an intranet, this protocol is used to access a database for managing environment information and the e-mail addresses of network users.
LPD	Abbreviation for Line Printer Daemon. A printer protocol that uses TCP/IP and is platform-independent. Originally developed for BSD UNIX, it has become the standard printing protocol and can be used with any general computer.
LPR/LPD	Abbreviation for Line Printer Request/Line Printer Daemon. A printing method over a network in a Windows NT system or UNIX system. Using TCP/IP, you can output print data from Windows or Unix to a printer over a network.
MAC address	Abbreviation for Media Access Control address. With a special ID number for each Ethernet card, data can be sent and received between the cards. A number consists of 48 bits. The first 24 bits consist of a special number for each manufacture controlling and assigning IEEE. The last 24 bits consist of a number that the manufacturer assigns uniquely to the card.
Memory	Storage device for storing data temporally. When the power is turned off the data may or may not be erased.
MH	Abbreviation for Modified Huffman. A data compression encoding method for fax transmissions. Documents containing mostly text are compressed to about 1/10 their original size.
MIB	Abbreviation for Management Information Base. In a TCP/IP transmission, this uses SNMP to define the management information format for a group of network devices. There are two formats: the manufacturer-specific private MIB and the standardized MIB.
MMR	Abbreviation for Modified Modified Read. A data compression encoding method for fax transmissions. Documents containing mostly text are compressed to about 1/20 their original size.
NetBEUI	Abbreviation for NetBIOS Extended User Interface. A network protocol developed by IBM. By simply specifying the computer name, you can build a small-scale network.
NetWare	Network operating system developed by Novell. NetWare IPX/SPX is used as the communication protocol.
NTLM	Abbreviation for NT LAN Manager. User authentication method used by Windows NT or later. With the MD4 and MD5 encoding methods, passwords are encoded.
NTP	Abbreviation for Network Time Protocol. The protocol for correctly adjusting the computer's internal clock over the network. In a hierarchical method, the time is adjusted with the server at the highest level using GPS to acquire the correct time, which is then referenced by each lower level host.

Term	Definition
OCR	Abbreviation for Optical Character Reader. A device or software that converts handwritten or printed documents to text data by optically scanning it and, through comparison with a previously stored pattern, specifies the characters.
OS	Abbreviation for Operating System. Basic software for controlling the system of a computer.
PASV	Abbreviation for PASsiVe. A mode for connecting to an FTP server from within a firewall. If this mode is not specified, the firewall will be considered inaccessible and the connection will be terminated, preventing the file from being sent.
Peer-to-peer	A network format that allows connected devices to communicate without using a dedicated server
PDF	Abbreviation for Portable Document Format. An electronically formatted document which uses the .pdf extension. Based on the PostScript format, you can use the free Adobe Acrobat Reader software to view documents.
Pixel	An image pixel. The smallest unit of an image.
POP	Abbreviation for Post Office Protocol. A protocol for retrieving e-mail messages from a mail server. Currently, POP3 (the third version of POP) is most often used.
POP Before SMTP	A user authentication method for sending e-mail messages. First, the reception operation is performed and the user is authenticated by the POP server. Then, IP addresses where the user was successfully authenticated by the POP server are permitted to use the SMTP server. This method prevents third parties without permission to use the mail server from sending mail messages.
Port number	The number that identifies the transmission port for each process running on a computer on the network. The same port cannot be used by multiple processes
Proxy server	A server that is installed to act as an intermediary connection between each client and different servers to effectively ensure security over the entire system for Internet connections
Preview	A function that allows you to view an image before processing a print or scan job
Property	Attribute information When using a printer driver, various functions can be specified in the file properties. In the file properties, you can check the attribute information of the file.
Protocol	The rules that allow computers to communicate with other computers or peripheral devices.
RAW port number	The TCP port number used when the RAW protocol is selected for Windows TCP printing. Usually set to 9100.
realm (IPP setting)	Region for performing security functions. This is constructed of authentication information such as the user name and password, and defines the security rules in the region.
referral setting (LDAP setting)	If there is no corresponding data on the LDAP server searched for the destination, specify which LDAP server should be searched next or specify an LDAP server. Specify whether or not the multifunctional product searches this specified LDAP server.

Term	Definition
Resolution	Displays the ability to reproduce the details of images and print matter correctly
Samba	UNIX server software that uses SMB (Server Message Block) so that UNIX system resources can be used from a Windows environment.
Scanning	With the scanning operation of the scanner, an image is read while the row of image sensors is gradually moved. The direction that the image sensors are moved is called the main scanning direction, and the direction in which the image sensors are arranged is called the sub-scanning direction.
Screen frequency	Indicates the density of dots used to create the image.
Single-page TIFF	A single TIFF file that contains only a single page.
SLP	Abbreviation for Service Location Protocol. Services on a TCP/IP network and clients are automatically searched for.
SMB	Abbreviation for Server Message Block. A protocol that shares files and printers over a network and which is mainly used by Microsoft Windows.
S/MIME	Abbreviation for Secure/Multipurpose Internet Mail Extensions. A protocol for adding features such as encryption and digital signatures to MIME (e-mail operations). With this standard, public key encryption, which uses a different key for encryption and decryption, is used.
SMTP	Abbreviation for Simple Mail Transfer Protocol. A protocol for sending and forwarding e-mail.
SNMP	Abbreviation for Simple Network Management Protocol. A management protocol in a network environment using TCP/IP.
SSL/TLS	Abbreviation for Secure Socket Layer/Transport Layer Security. The encoding method for safely transmitting data between the Web server and browser.
Subnet mask	The unit used to divide a TCP/IP network into small networks (subnetworks). It is used to identify the bits in a network address that are higher than the IP address.
TCP/IP	Abbreviation for Transmission Control Protocol/Internet Protocol. The de facto standard protocol used by the Internet that uses IP addresses to identify each network device.
TCP socket	Indicates that API for the network is used with TCP/IP. A transmission route is opened using this socket to input and output normal files.
TIFF	Abbreviation for Tagged Image File Format. One of the file formats for saving image data. (The file extension is ".tif".) Depending on the tag indicating the data type, information for various image formats can be saved in a single image data.
Thumbnail	A small image that shows the contents of the image or document file (the image displayed when the file was opened).
TWAIN	The interface standard for imaging devices, such as scanners and digital cameras, and for applications, such as graphics software. In order to use a TWAIN-compliant device, the TWAIN driver is required.

Term	Definition
USB	Abbreviation for Universal Serial Bus. A general interface standard for connecting a mouse, printer, and other devices to a computer.
Uninstall	To delete software installed on a computer.
Web browser	Software such as Internet Explorer and Netscape Navigator for viewing Web pages.
WINS	Abbreviation for Windows Internet Naming Service. A service for recalling named servers for the conversion of computer names and IP address in a Windows environment.
Zone	A name given in an AppleTalk network. This is used to group multiple devices on an AppleTalk network.

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